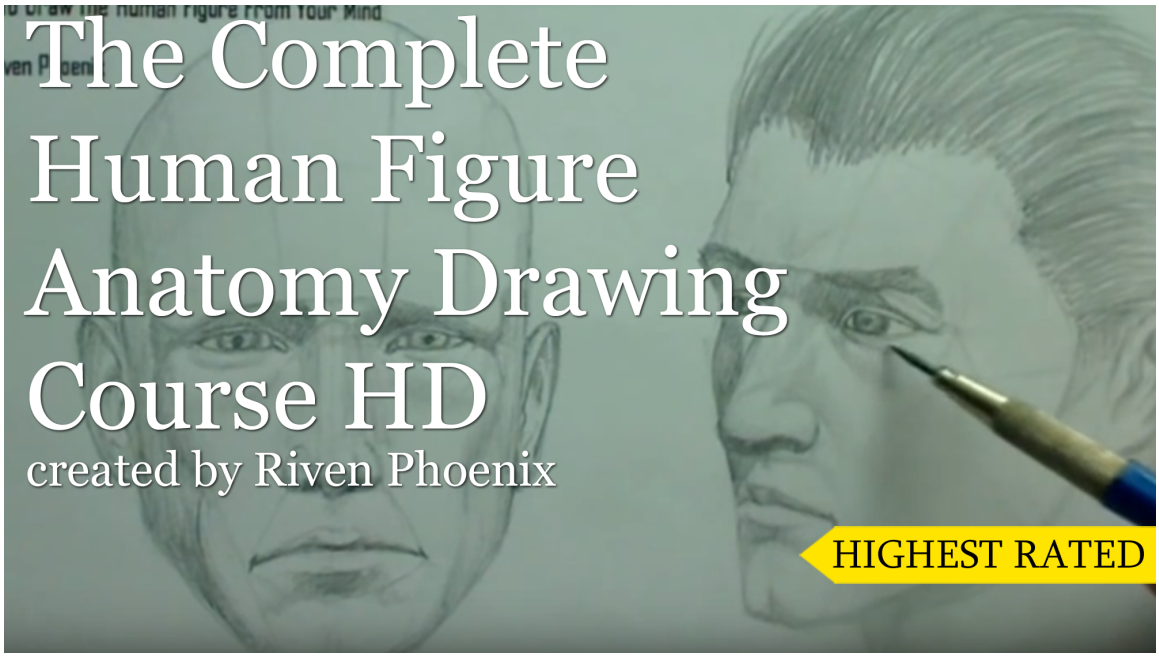


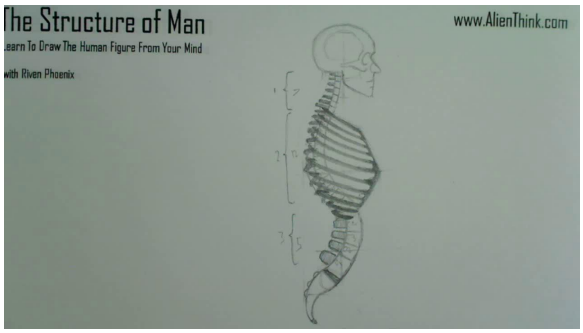
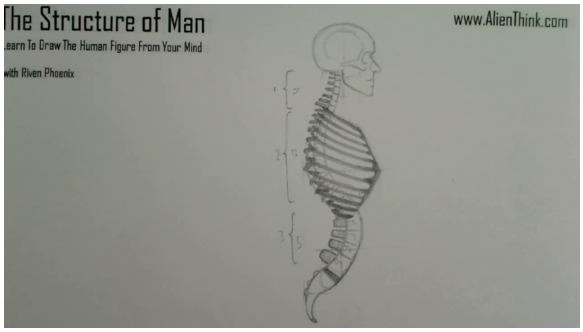
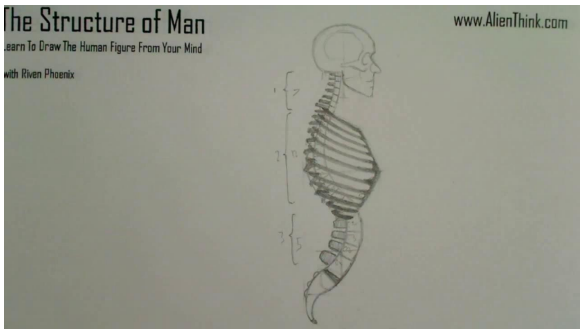
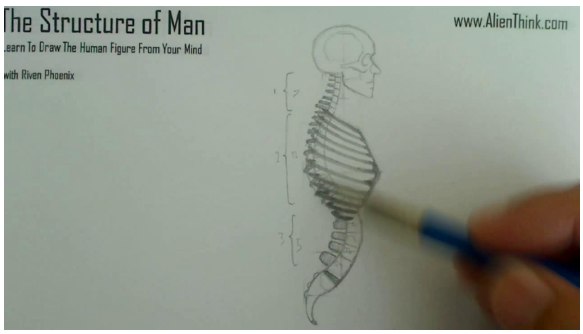
The Structure of Man

Learn to Draw the Human Figure From Your Mind with Riven Phoenix

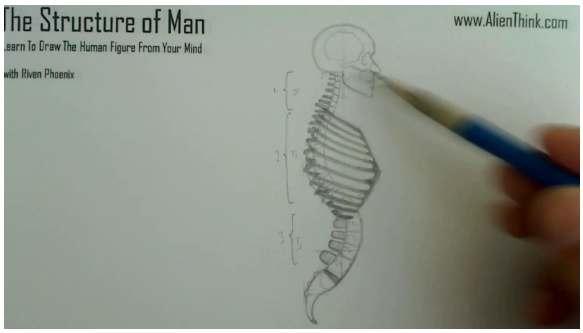
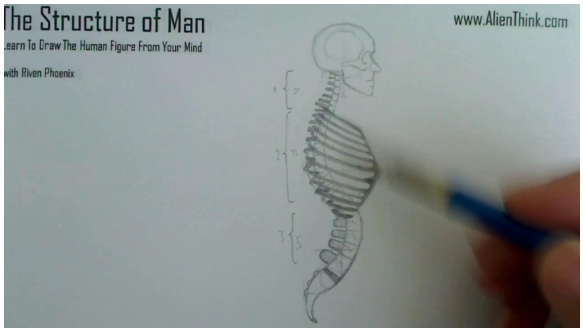
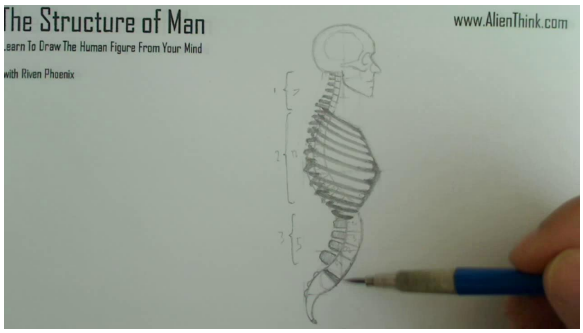
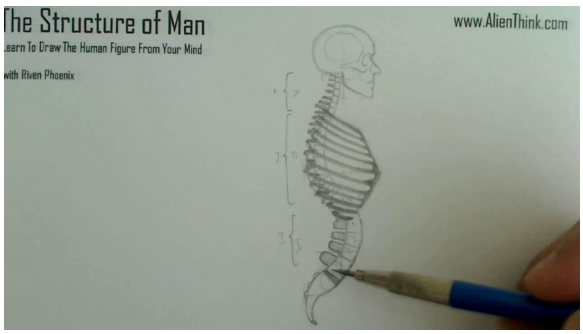
www.alienthink.com

Figure Drawing Lesson 035 - The Invention of The Spine - Part 5

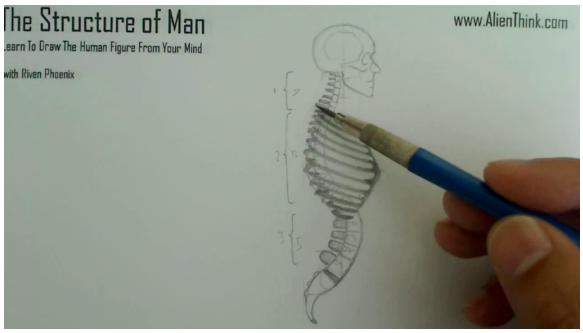
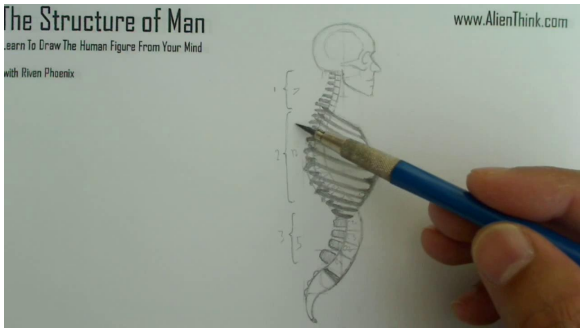
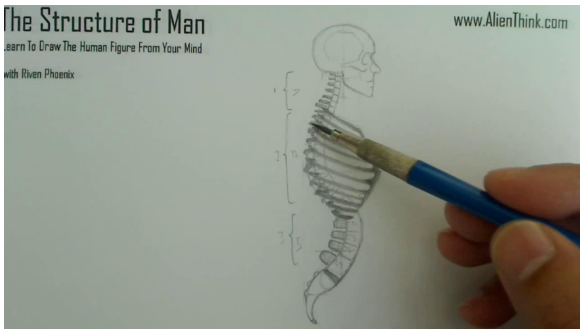
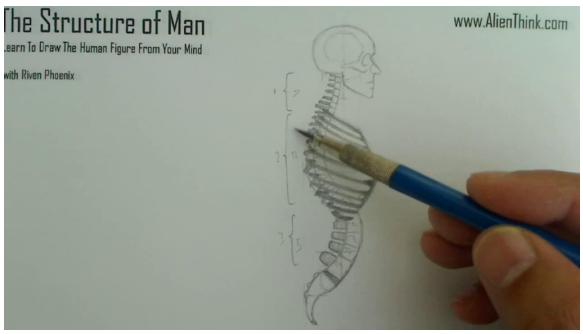
2026 Riven Phoenix and AlienThink.com

1		Hey guys, my name is Riven Phoenix, and welcome to the Structure of Man Learned Draw
2		of the Human Figure from your mind trading course.
3		Okay, so now in the previous lesson, we had understood the concept of the sacra, but it's
4		a one other thing that I just want to point out to you is that over here, because we're

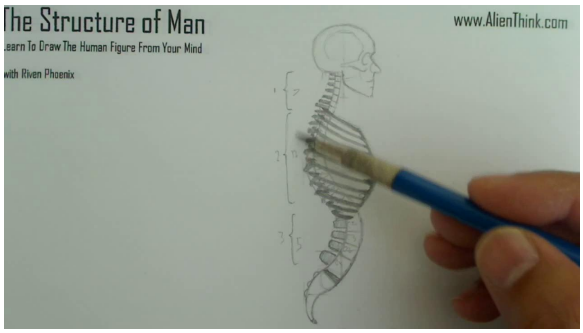
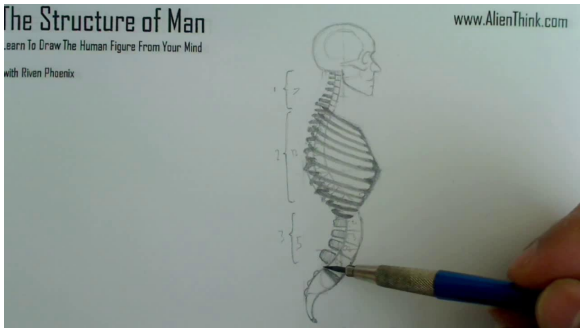
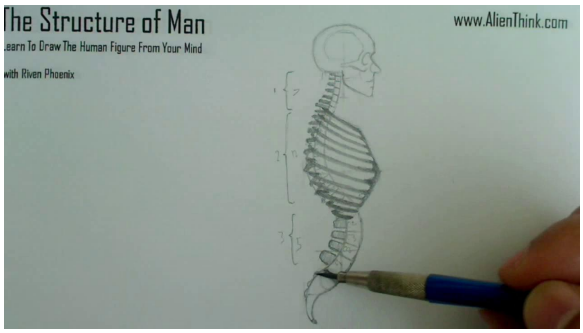
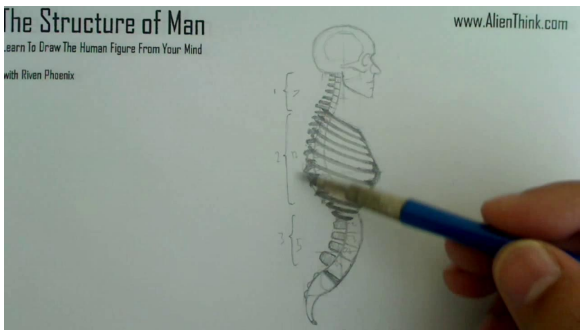
2026 Riven Phoenix and AlienThink.com

5		doing this on all the stuff that I've shown you is based on an actual human skeleton, right?
6		You can see obviously even on the proof-form paper, right, for a memory that it's a very
7		accurate conceptual idea of this invention, right?
8		So what happens here is that notice where this is and notice where this is, right?

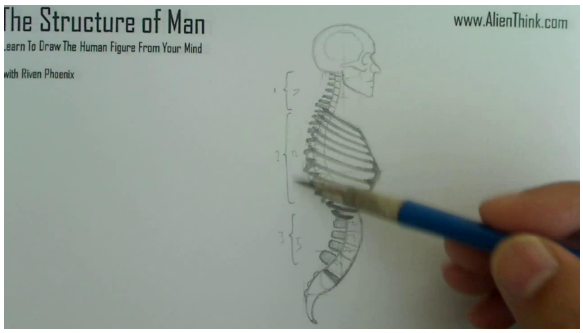
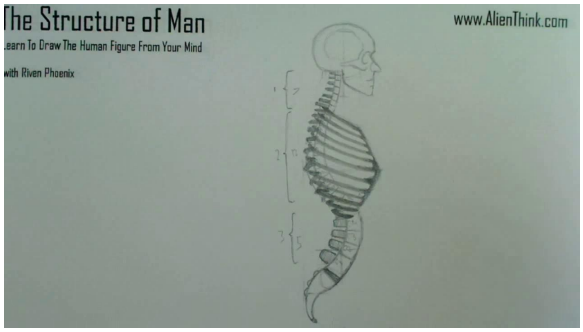
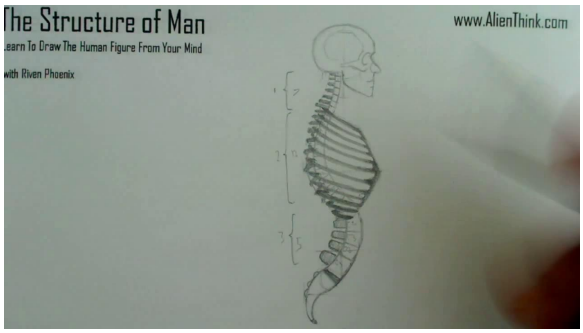
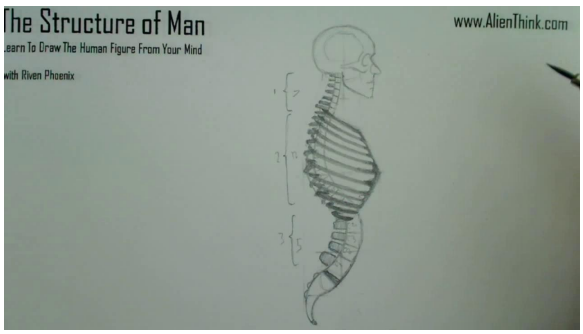
2026 Riven Phoenix and AlienThink.com

9		So basically when you get the scapula here in this area over here, then you're going
10		to get a little bit of muscles, right?
11		So what happens is that your muscles are not going to be here because of the way they'll
12		pile up there, probably end up over here, right, around here, depending on the bulk.

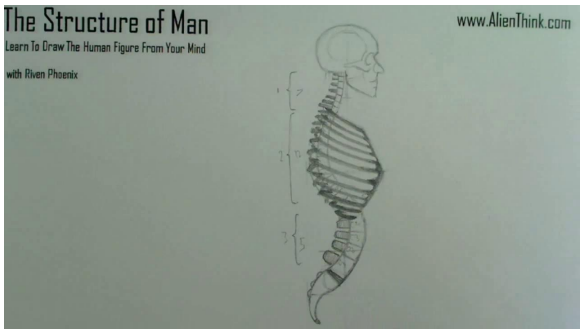
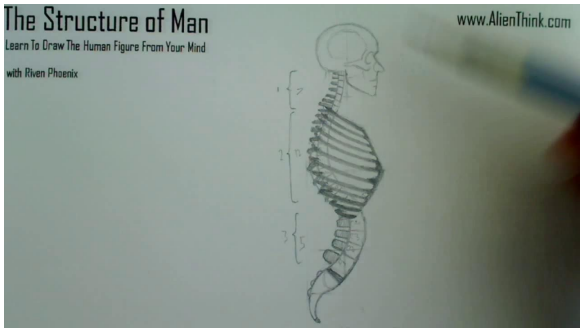
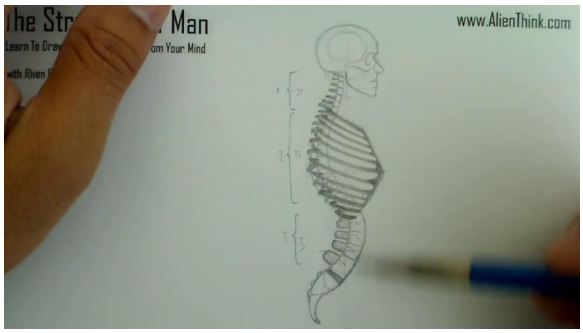
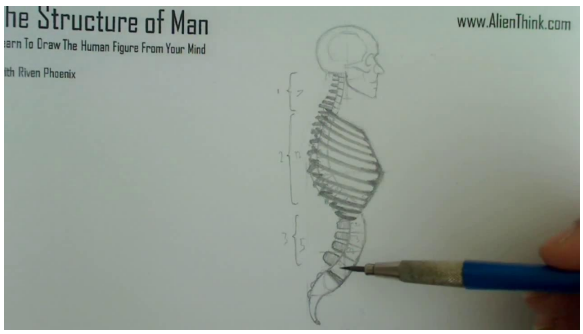
2026 Riven Phoenix and AlienThink.com

13		So if this is here, what will happen is that even here, when we put the pelvis much
14		more later on, when you get the buttocks muscles, right, your muscles are going to be just
15		like this over here, they're going to be coming like this, right?
16		So I mean, this area would line up again, right?

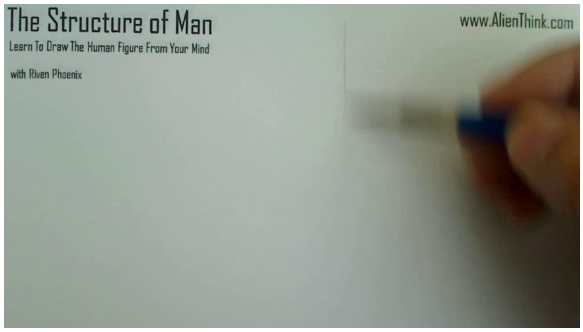
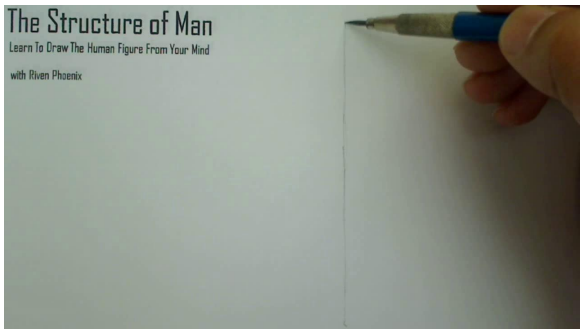
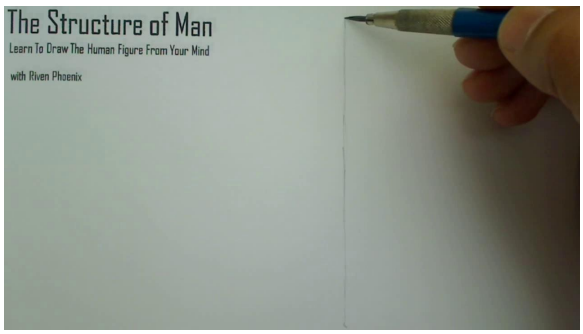
2026 Riven Phoenix and AlienThink.com

17		So just keep that in mind that we haven't even bolted up with the muscles, and that's
18		where we're going to look at more of the forwards.
19		So what we want to do in this lesson is now take all the information that we've understood
20		so far about all these concepts and now put them together to make sure that the mind

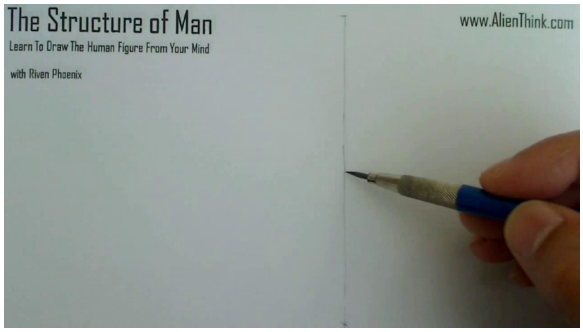
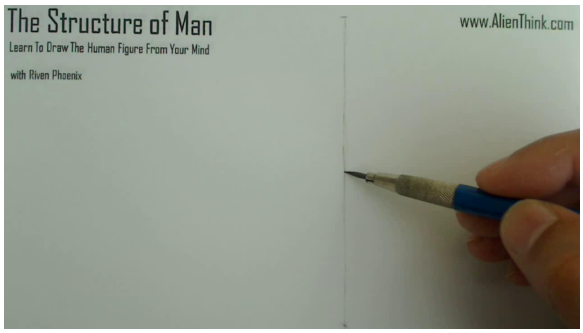
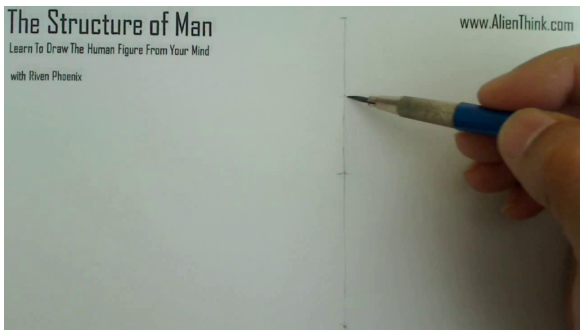
2026 Riven Phoenix and AlienThink.com

21		imprints this information.
22		So it's really important to do this exercise again that I'm going to show you and we're
23		going to put everything together and talk through it to make sure the mind gets the
24		concept.

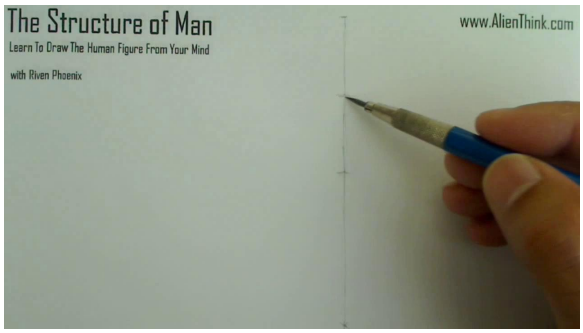
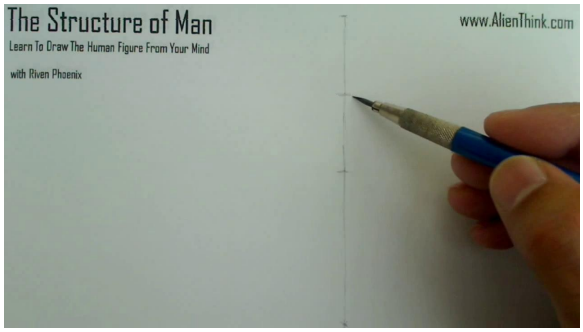
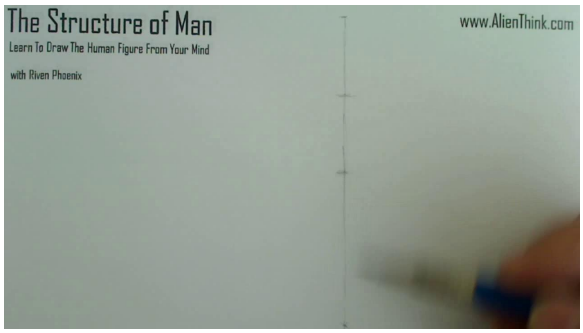
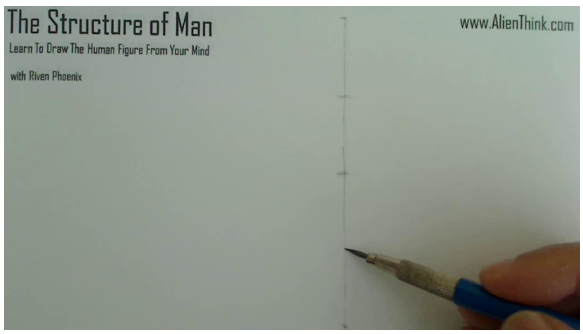
2026 Riven Phoenix and AlienThink.com

25		So to start out here, I'm just going to, again, just draw out a line over here.
26		Let me just, I'm going to do this as much as I can to fill up this whole camera space
27		over here.
28		It comes out pretty good.

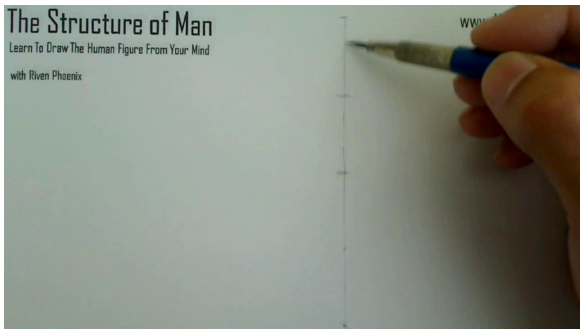
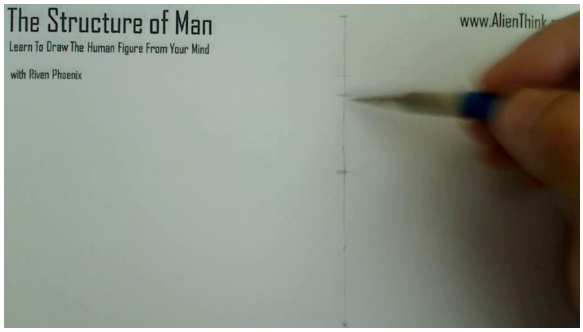
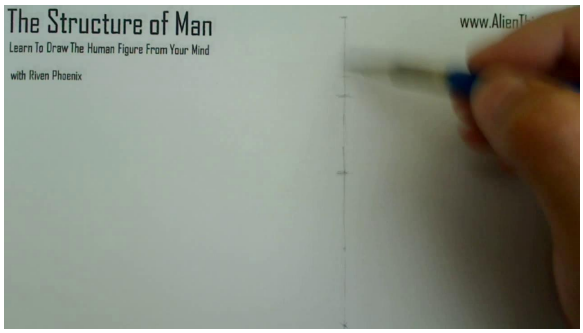
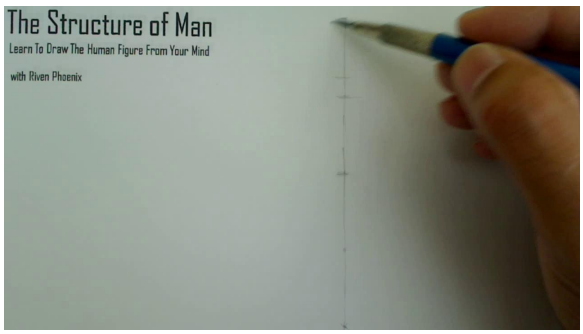
2026 Riven Phoenix and AlienThink.com

29		So here's going to be the X for the crotch area and here we can do the top area over
30		here.
31		And here I'm just going to divide this over here for the bottom of the, the pack muscles
32		and here's going to be the bottom of the chin.

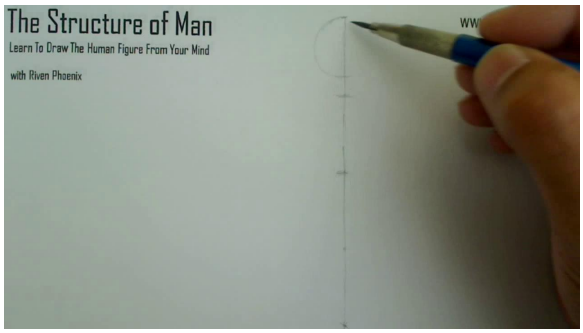
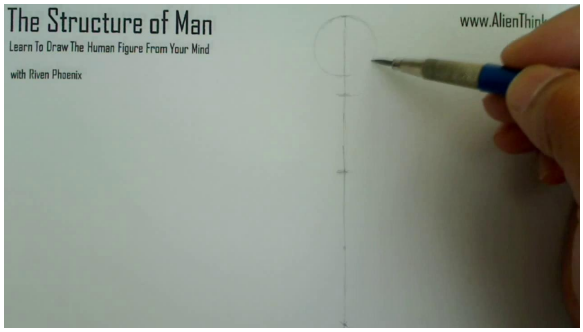
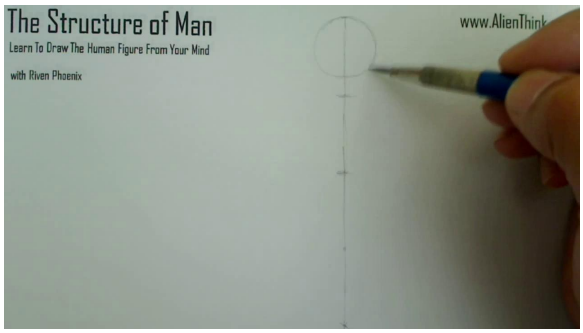
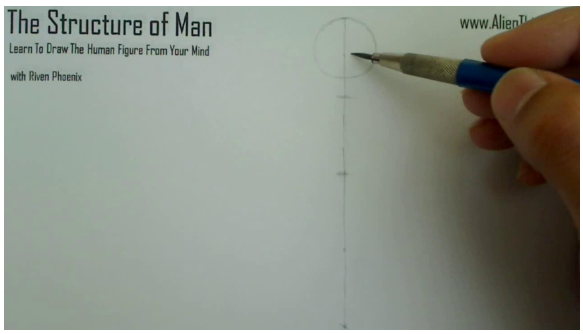
2026 Riven Phoenix and AlienThink.com

33		Remember these are all approximations.
34		Your chin could be a little down if you wanted to, right?
35		Just like how your teeth are sometimes open.
36		So and over here is going to be the point for the nail.

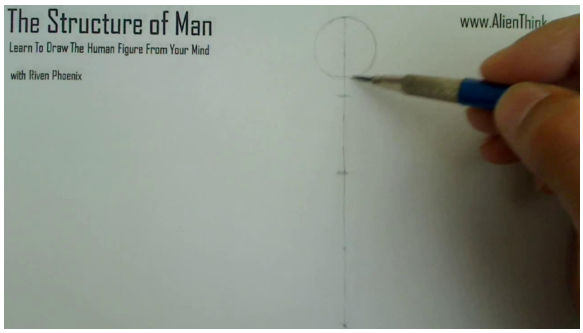
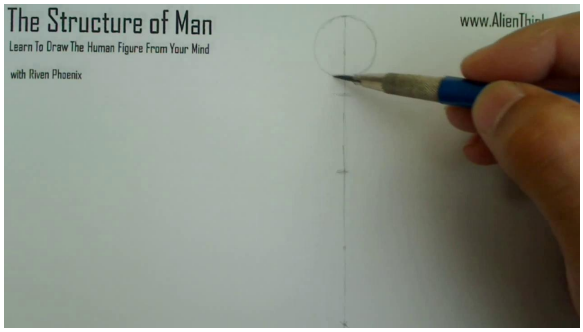
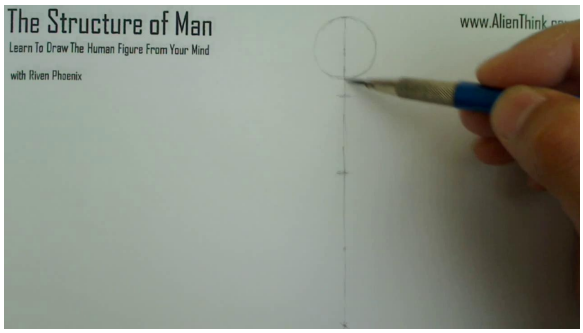
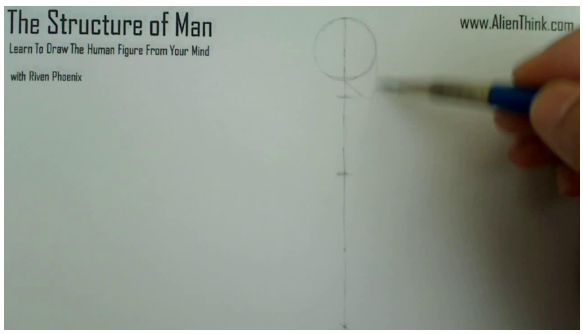
2026 Riven Phoenix and AlienThink.com

37		So over here, I already know that okay.
38		So let's actually do a, try to do a different drawing style here.
39		This drawing style will, will, will do it as accurate as possible, right?
40		Because you, and this will just get you used to this other idea of drawing, which is really

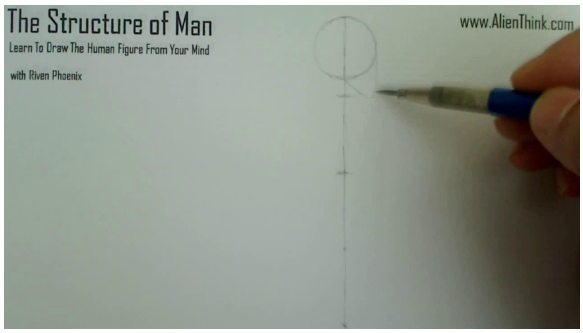
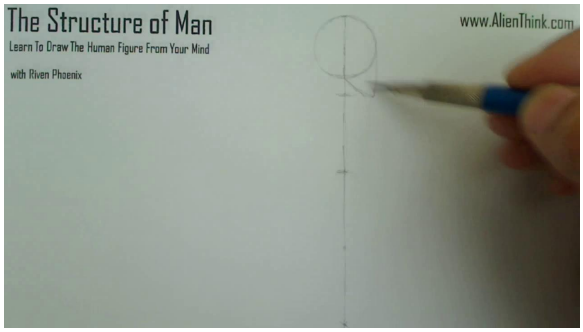
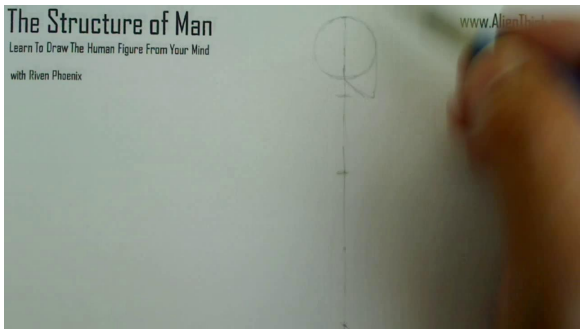
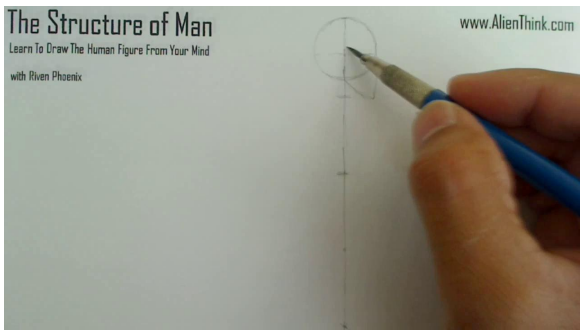
2026 Riven Phoenix and AlienThink.com

41		more getting into this much more elite phase of thinking and drawing is that you really
42		just want to draw the whole thing, understanding it as one conceptual idea.
43		Rather than sketching it out, but there's nothing wrong with any of these sketching processes
44		that I've shown you, but I just want to make sure that you, that you understand that

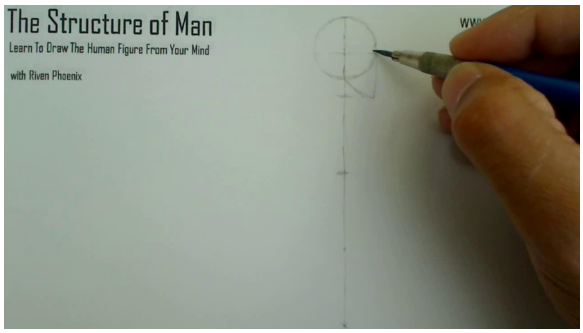
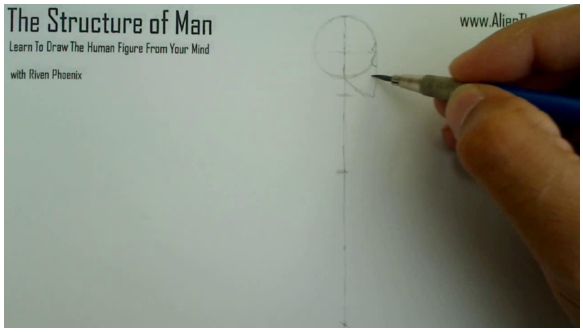
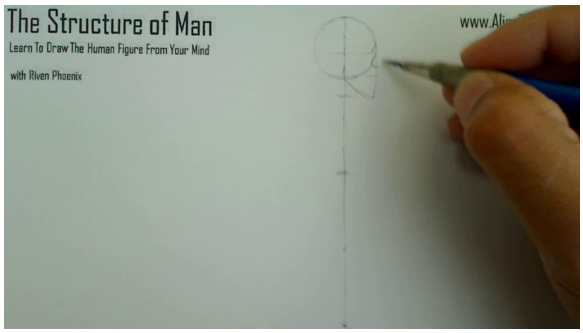
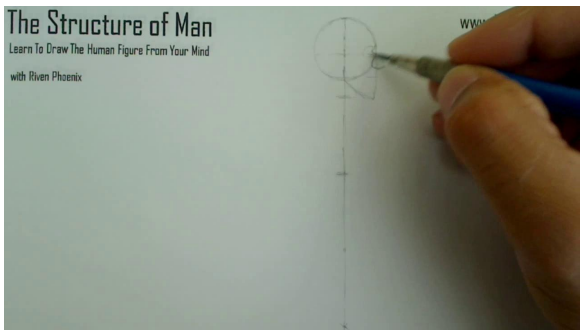
2026 Riven Phoenix and AlienThink.com

45		you can do it this way also, right?
46		So if you've been to conventions where there are artists that are drawing out, uh, uh,
47		figure tools, notice that they just draw out without even sketching, but there's some
48		artists because they've been drawing for so long.

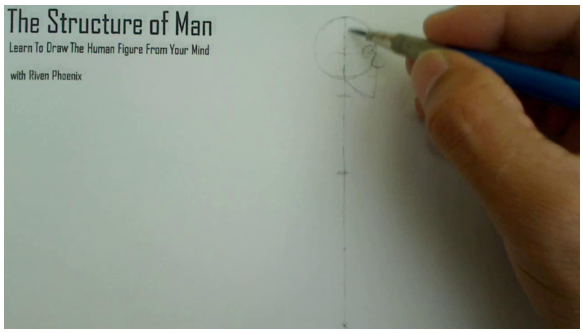
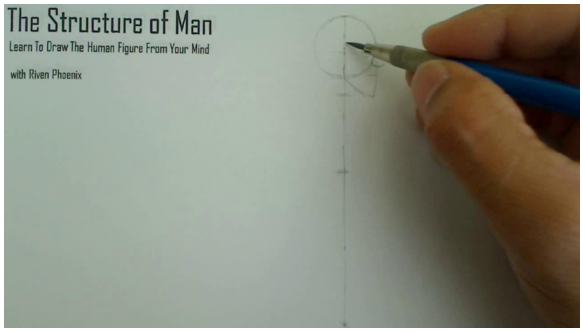
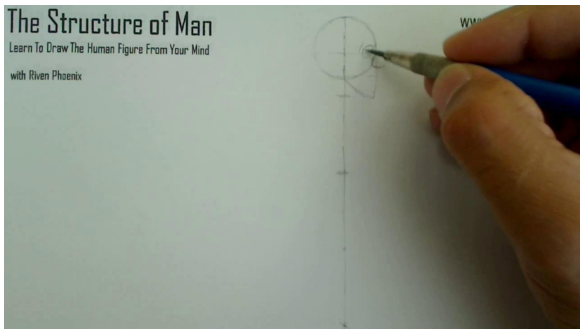
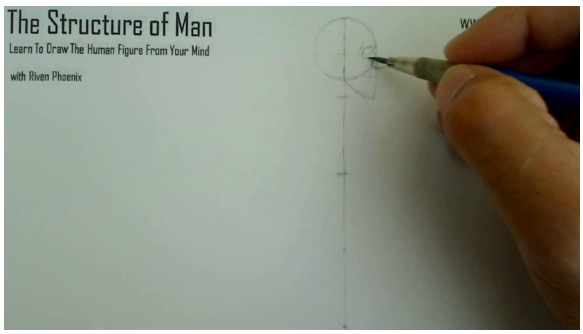
2026 Riven Phoenix and AlienThink.com

49		So here just shows you that how much you have to slow down in your thinking just to get
50		your mind to get trained in that concept.
51		But so here, um, we're gonna just divide this in half just to get the idea.
52		We know that the, the, the brow area is going to be over here like this over here.

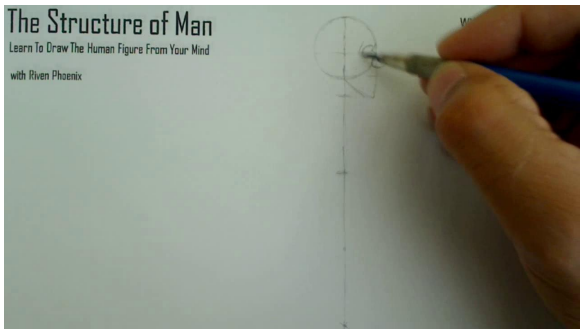
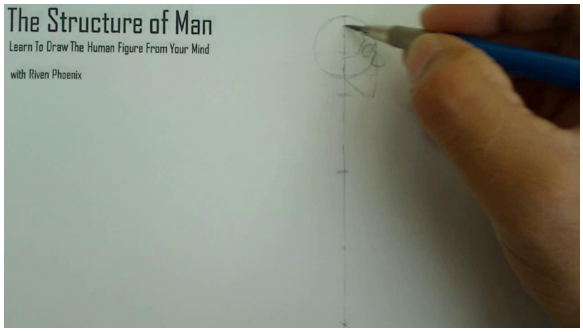
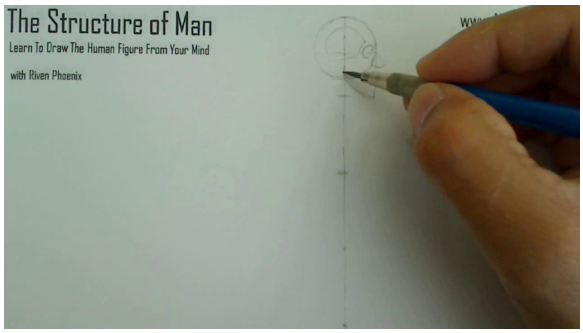
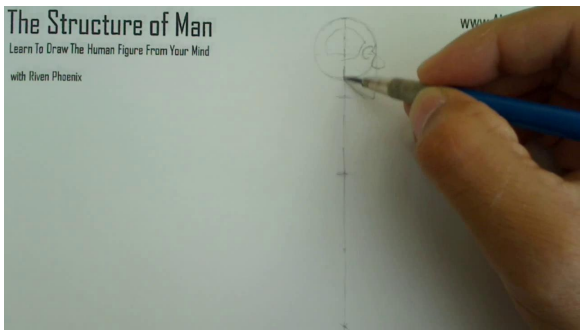
2026 Riven Phoenix and AlienThink.com

53		And then I'm going to get this line over here, get the nose area over here.
54		I'm going to get the mouth over here, right?
55		So here you can just put the nose out a little bit so you can get used to the idea, just
56		get the mind used to the, remember when, when we do this eye socket here, right?

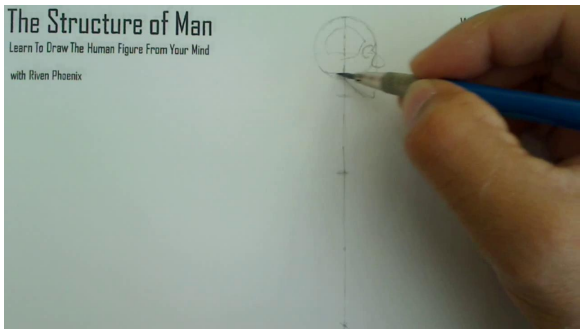
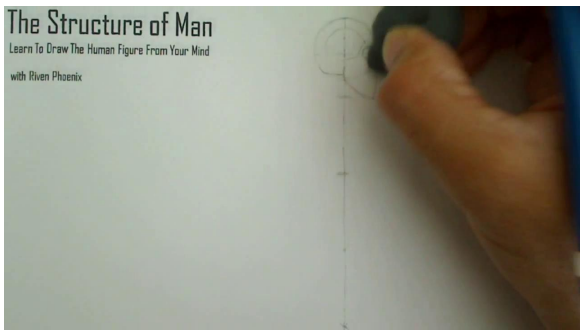
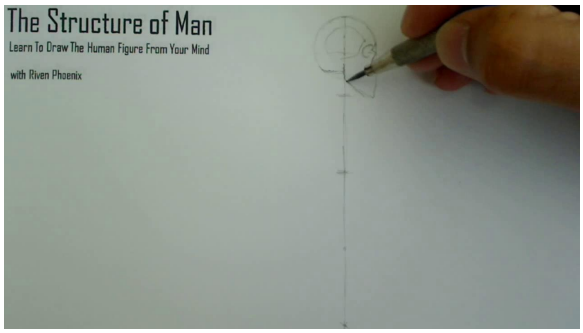
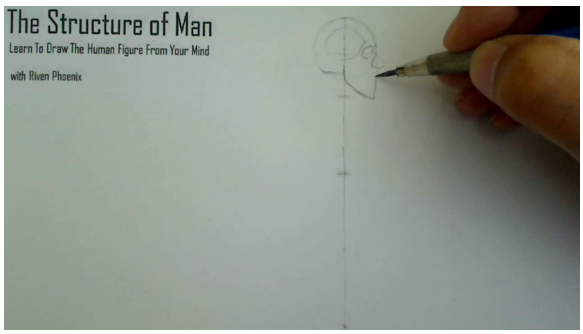
2026 Riven Phoenix and AlienThink.com

57		We know that it's going to be that line.
58		If you take this and divide this, you know that it's going to be a proximity over here.
59		Now, when we do this curve, we know that it's going to be halfway here with a nose.
60		Right?

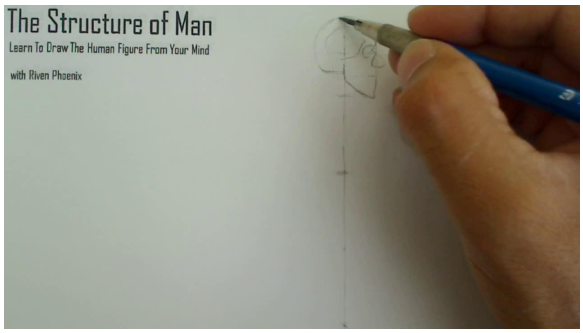
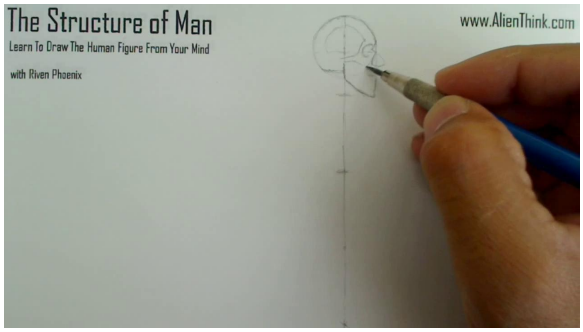
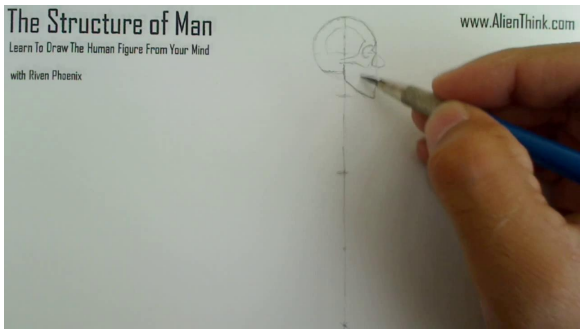
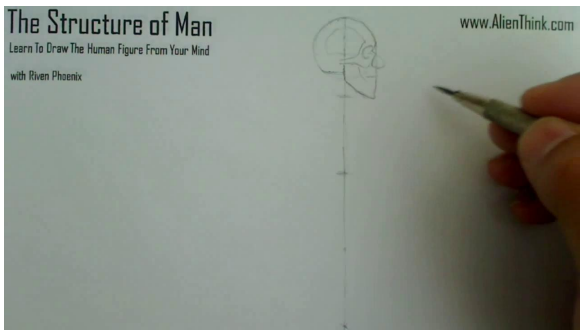
2026 Riven Phoenix and AlienThink.com

61		That's why all these ratios matter, right?
62		Then over here, we're just going to close it off, right?
63		It's a very basic idea.
64		And over here, I'm just going to go up and do it this way, right?

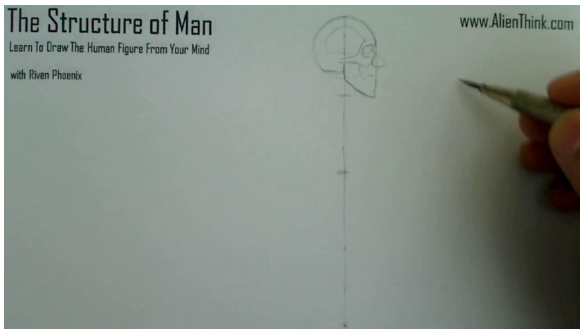
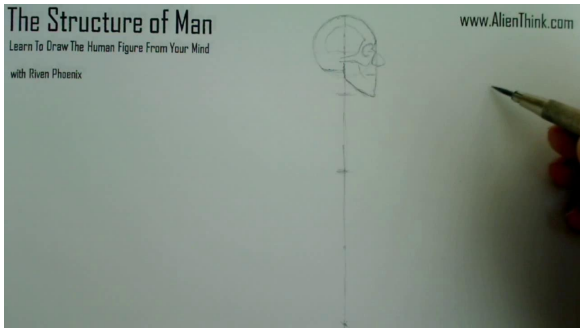
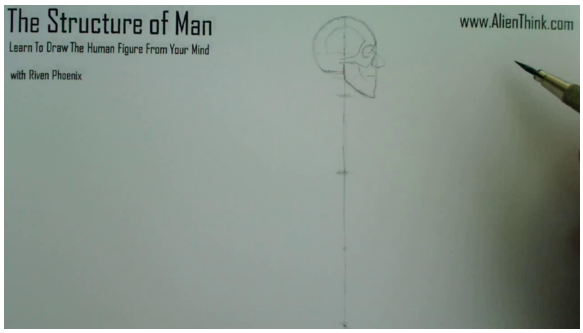
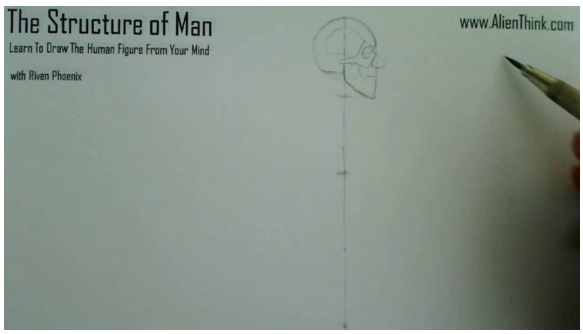
2026 Riven Phoenix and AlienThink.com

65		So this area here, the bottom of the skull, you can just erase that out to give, um,
66		your skull over here, much more, more room here for the, the job of, right?
67		So here, that's just going to go like this, right?
68		So, so this idea of drawing that I'm showing you, basically, although we're drawing out the,

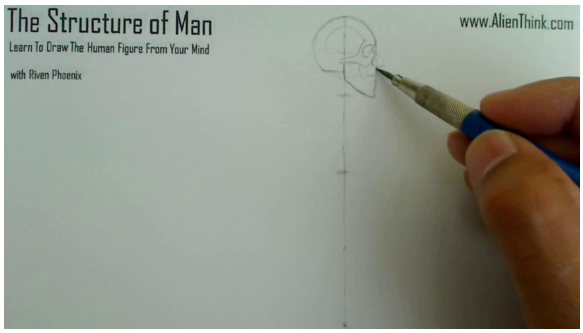
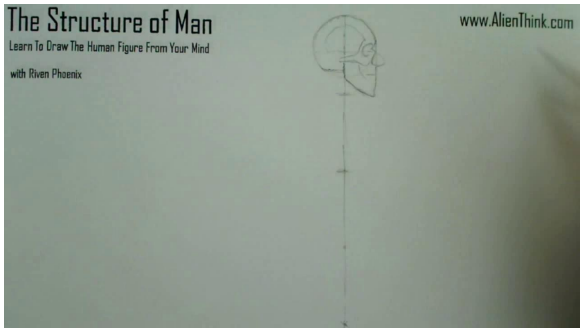
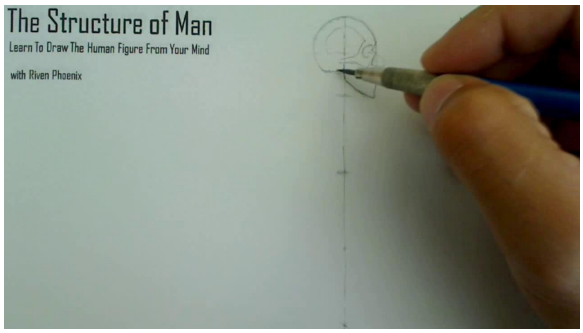
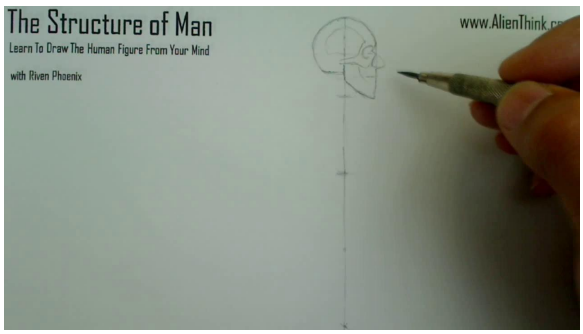
2026 Riven Phoenix and AlienThink.com

69		uh, the, uh, invention of the, of the, uh, the human figure, right?
70		We're creating this, everything from scratch.
71		Now, the thing about this concept of drawing this way is, it's the same thing as if you were
72		drawing out your own character design, like a creature, right?

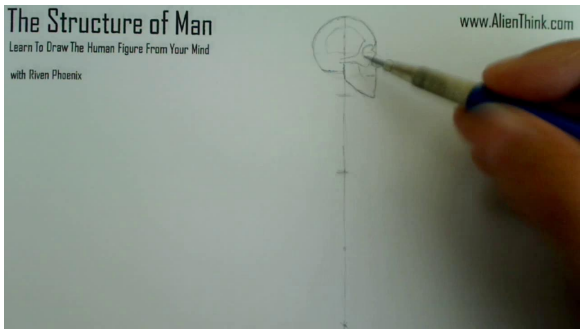
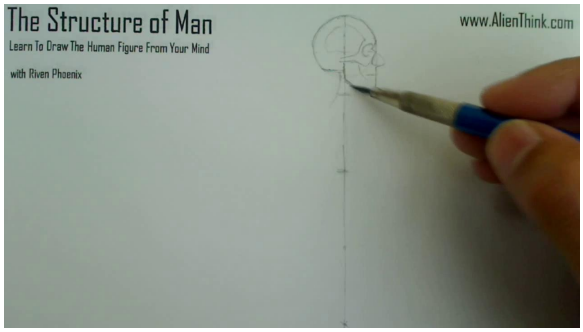
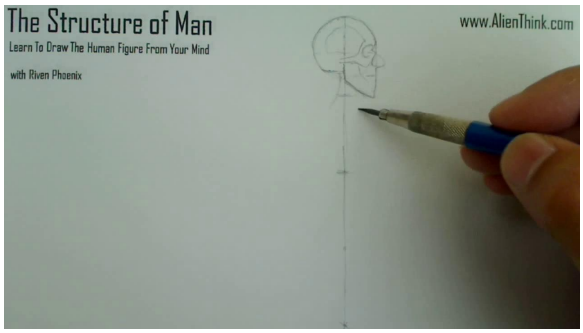
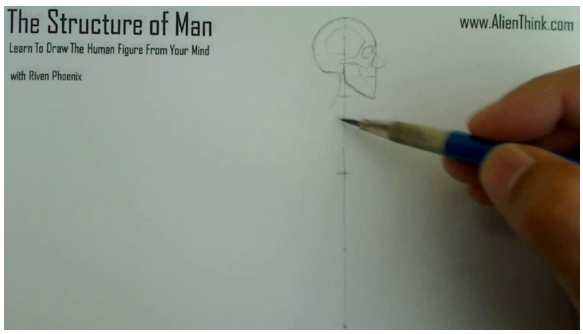
2026 Riven Phoenix and AlienThink.com

73		You would draw out of some kind of an area, but you wouldn't be sketching it out so much.
74		It's like you're just drawing because the whole idea is coming as an, uh, as an idea in,
75		uh, well, I guess as an alien idea, meaning that you've never, with, experienced it before.
76		So if you're coming up with an idea completely for your mind, you're just going to be drawing

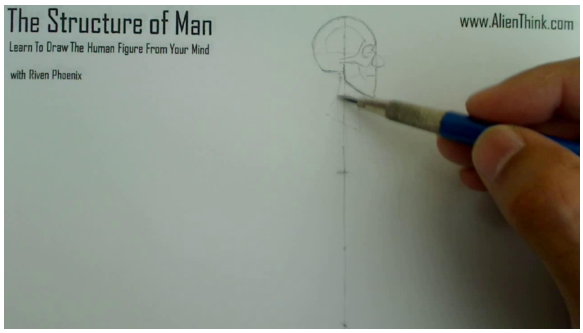
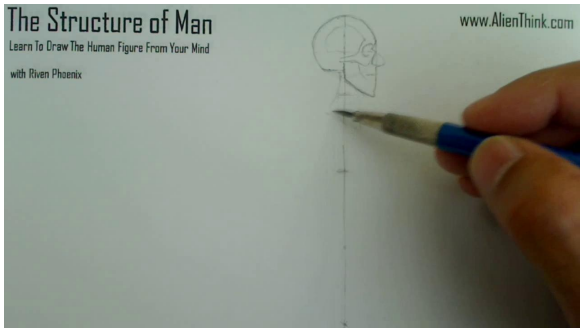
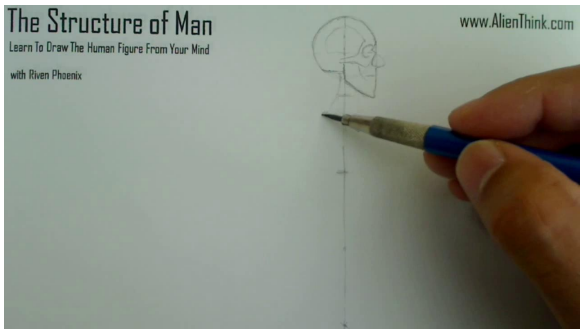
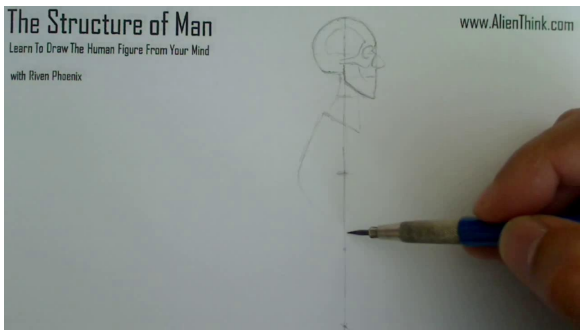
2026 Riven Phoenix and AlienThink.com

77		it in its forms, right?
78		You're not going to be like sketching it out.
79		So this is what this is and this is where we want to be, to be able to draw it out this
80		way, right?

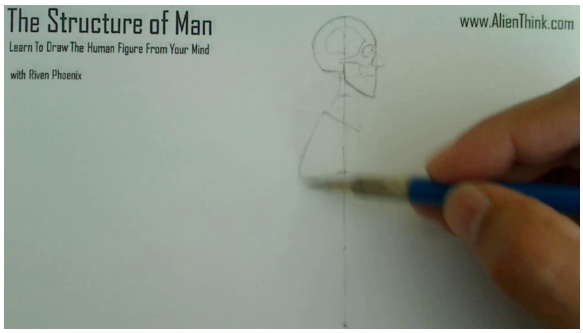
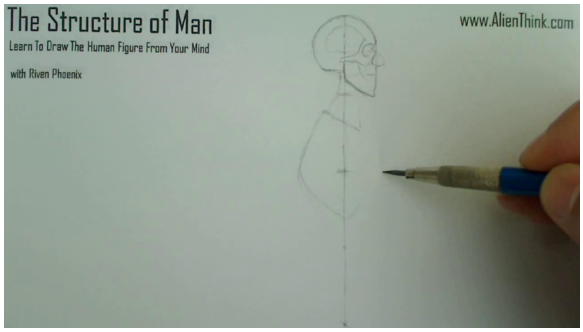
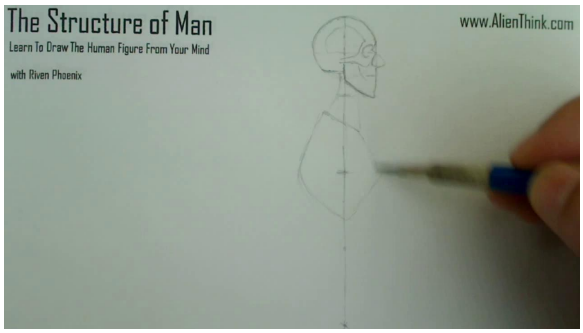
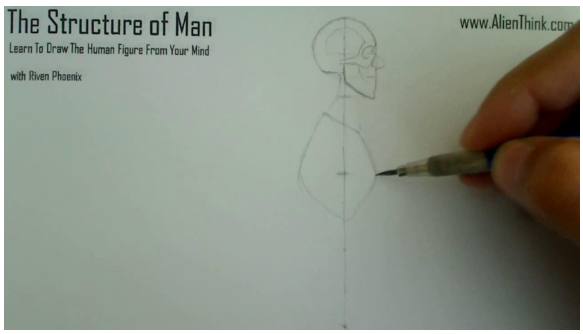
2026 Riven Phoenix and AlienThink.com

81		Um, so over here, uh, is going to be the, uh, the spine area over here and, um, here's
82		the jaw.
83		So I know that I'm just going to, uh, come down over here.
84		I know I just have to go back up, right?

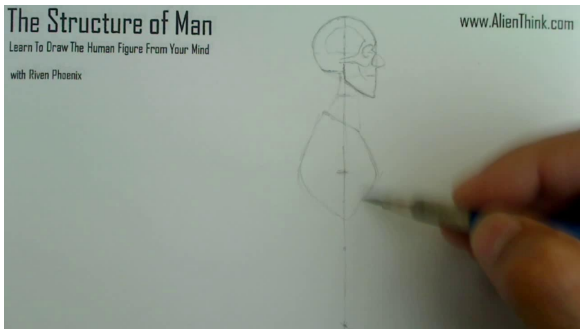
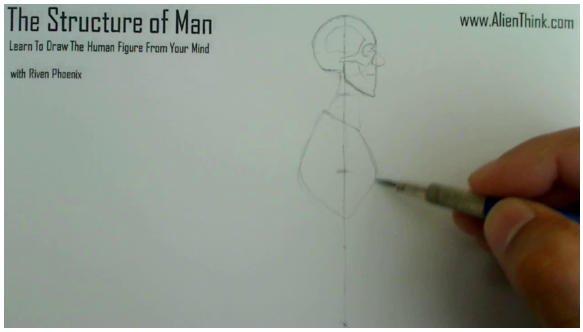
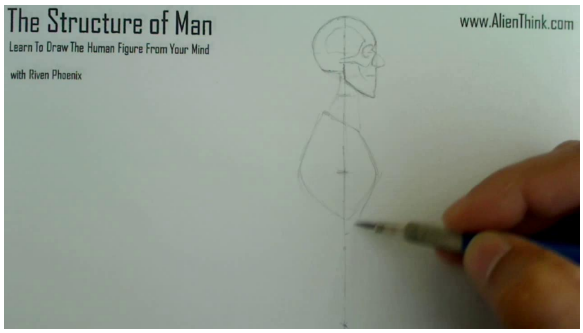
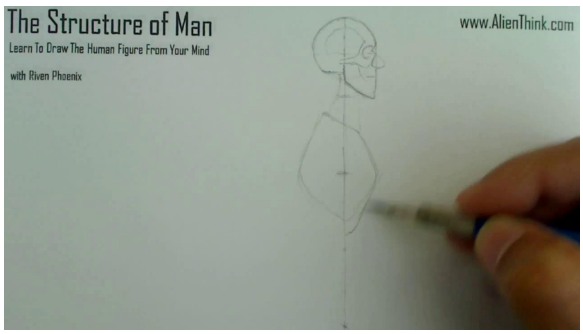
2026 Riven Phoenix and AlienThink.com

85		I know about the space here.
86		I need to keep a little bit space so I can just approximate it.
87		This is going to be here and I know that over here is going to be just like this over here.
88		And over here, it's going to be divided in three different parts, right?

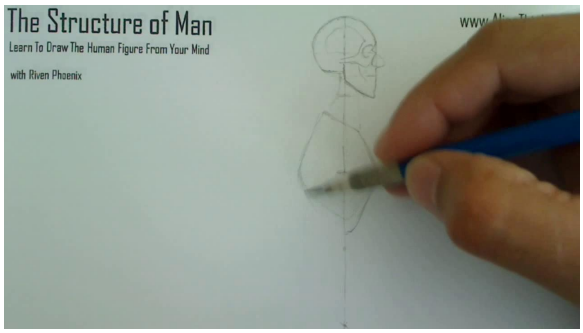
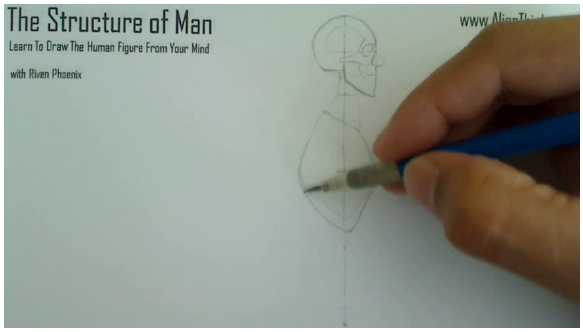
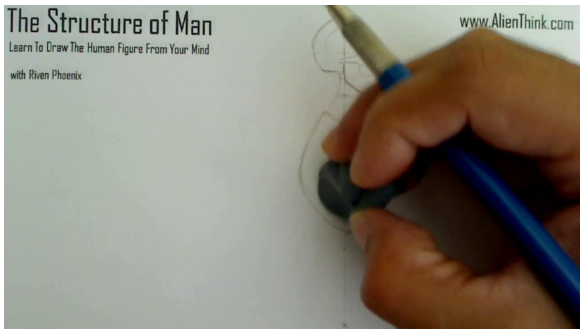
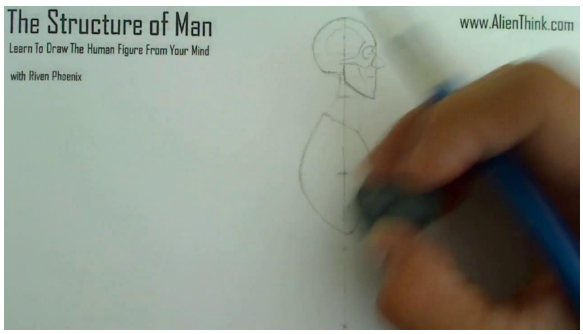
2026 Riven Phoenix and AlienThink.com

89		So over here, I'm just going to come this way over here and I know it's going to be the
90		same thing over here, right?
91		So here I can just come like this over here.
92		Now some, you'll notice that some, uh, what a lot of artists do is sometimes they just

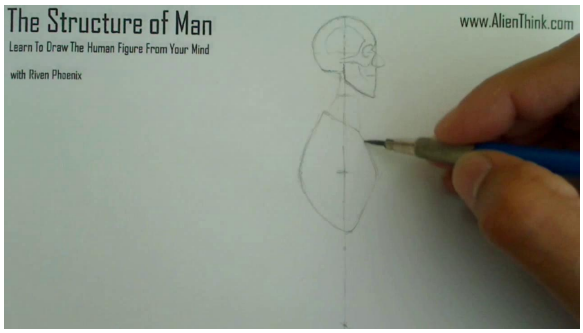
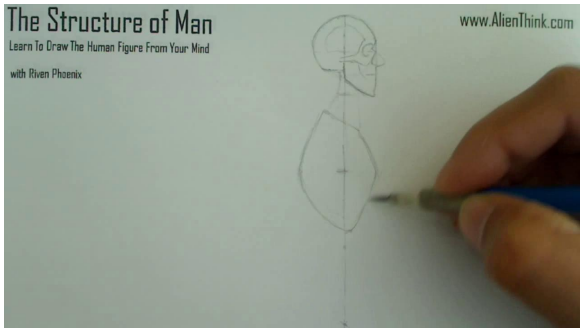
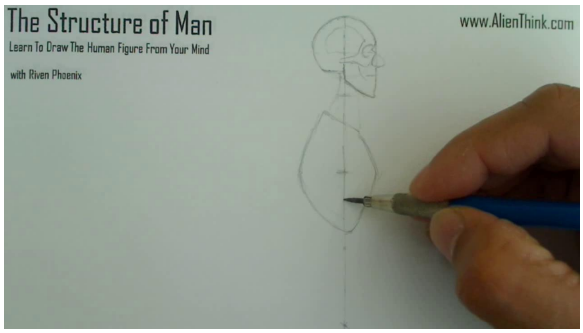
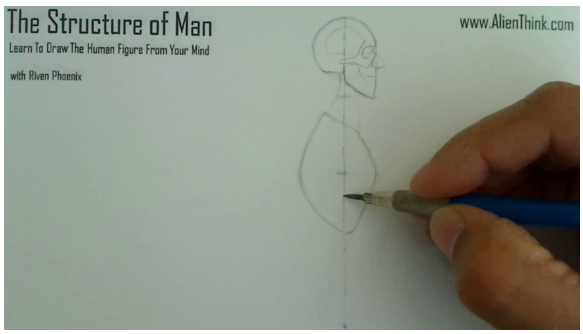
2026 Riven Phoenix and AlienThink.com

93		elongate this, right?
94		So even if you elongate it a little above here, it's going to be fine.
95		It's not going to do anything, right?
96		A chance cavity is a chance cavity, right?

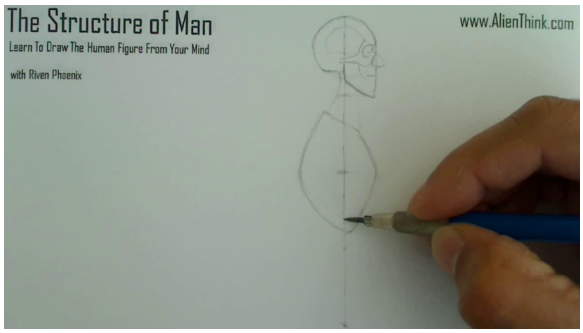
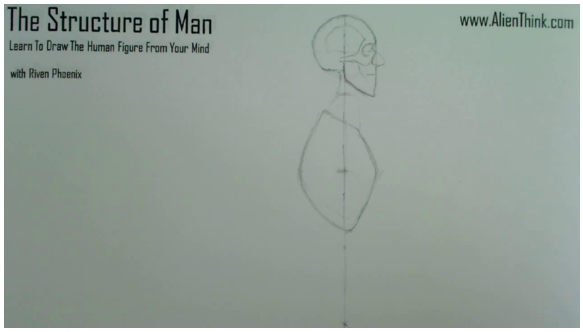
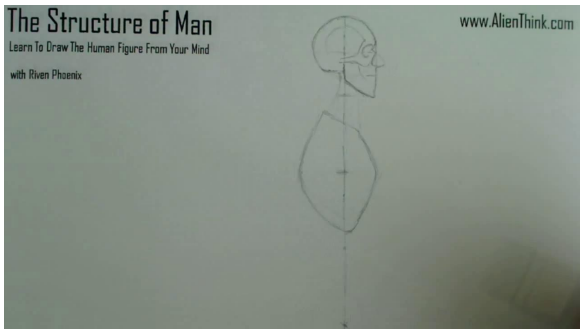
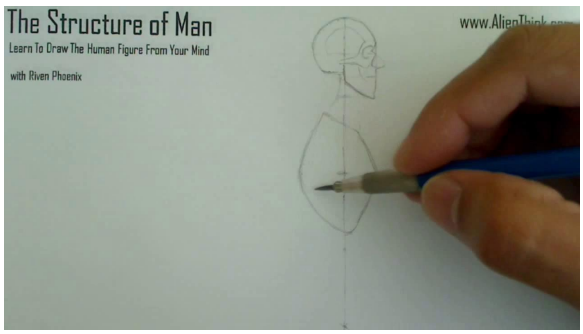
2026 Riven Phoenix and AlienThink.com

97		And each person is just going to be built differently.
98		Sometimes people do have a shoulder chance cavity, right?
99		But the ratio is always going to be the same regardless, right?
100		So, right?

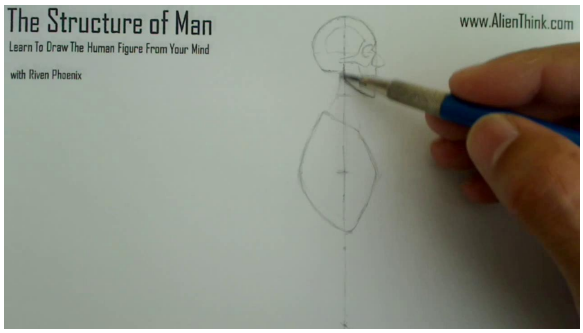
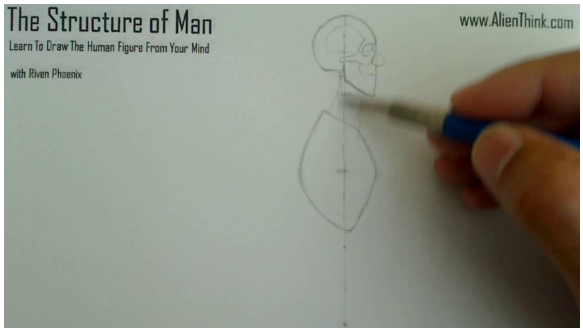
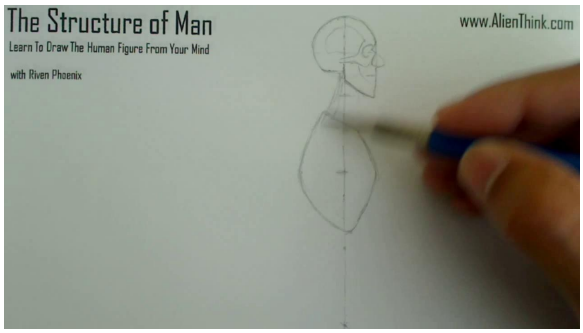
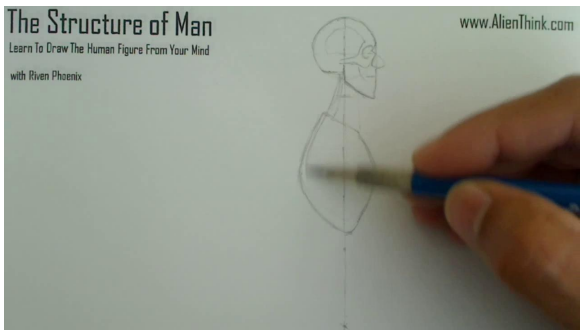
2026 Riven Phoenix and AlienThink.com

101		So you can change your character design.
102		So here I've just elongated it, meaning that here we divided in three different parts
103		like this, right?
104		Equal parts.

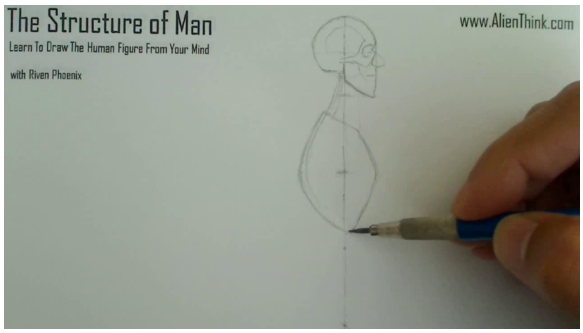
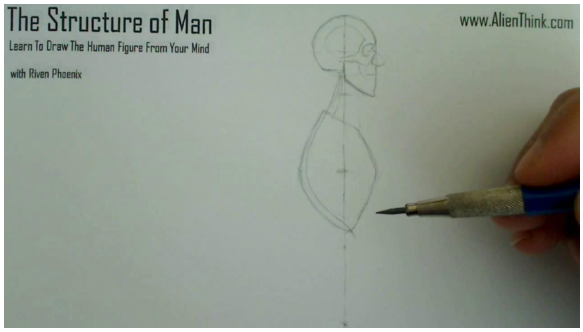
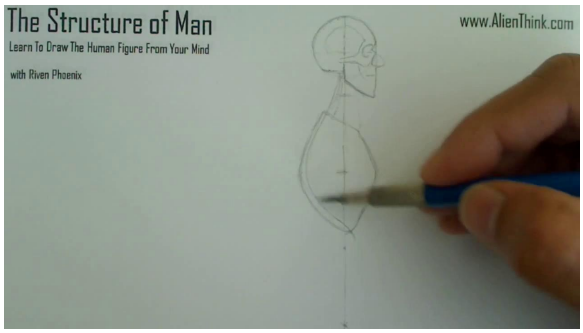
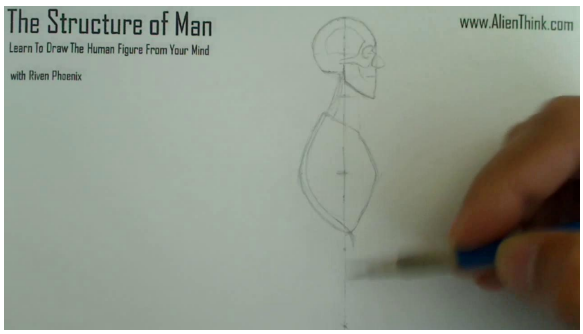
2026 Riven Phoenix and AlienThink.com

105		But here I can just go down because sometimes I just like to do much more longer, right?
106		So over here, you can see that it was much more different.
107		Okay.
108		So once we have this, we know, okay, well, if we go back to our previous thinking

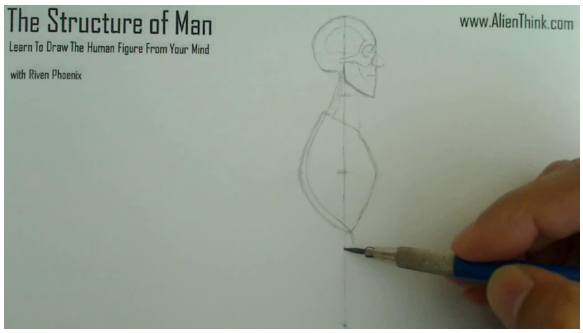
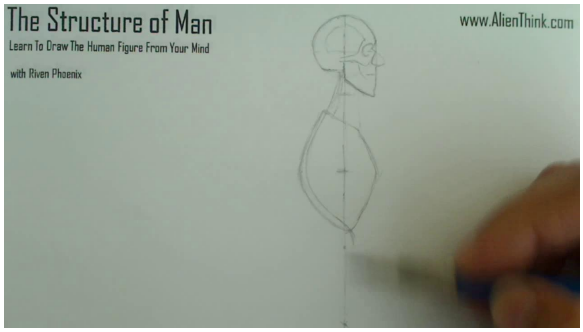
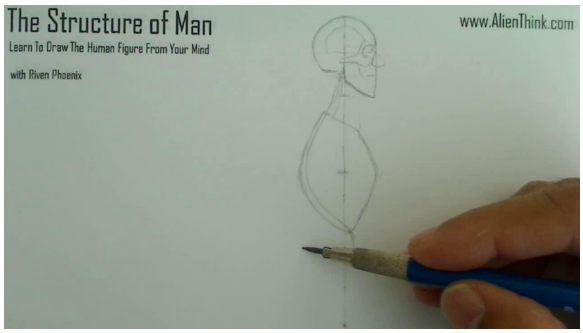
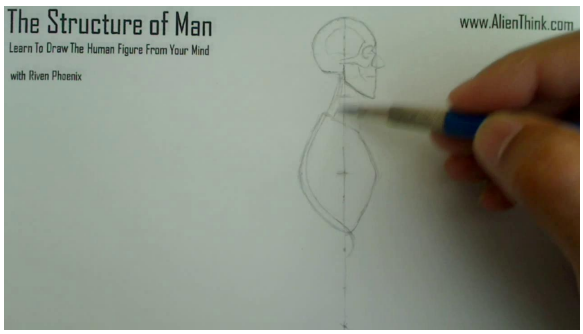
2026 Riven Phoenix and AlienThink.com

109		process, we knew that when the spine comes out, right, it's going to come out, uh, this
110		way over here, and then it's going to come out, it has to be in a little bit, right?
111		And we know that when this guy goes like this, I'm just going to follow pretty much the
112		chest cavity.

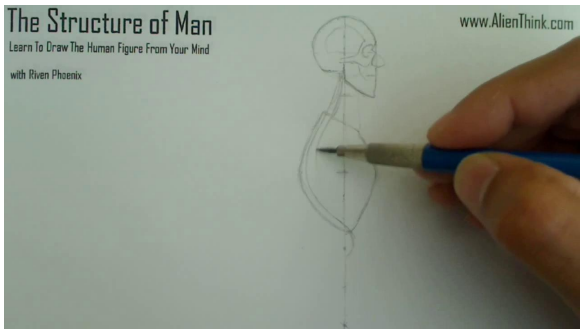
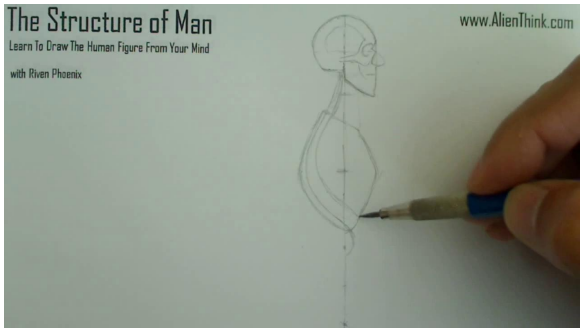
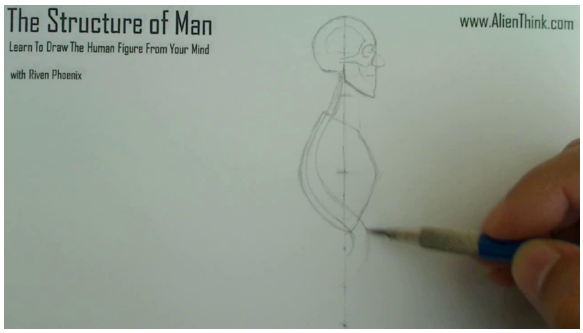
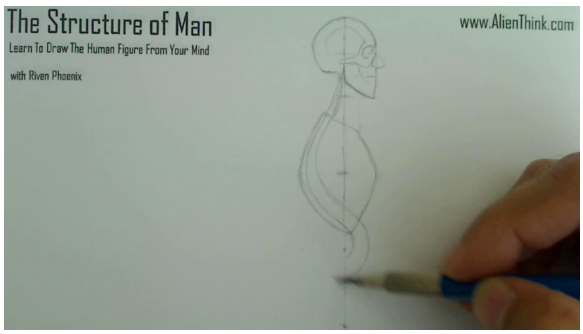
2026 Riven Phoenix and AlienThink.com

113		But when I come here, I'm just going to come out this way over here, right?
114		So over here, I'm pretty much close to it, right?
115		So here's the idea of the jessorcism that it really doesn't matter, just as long as
116		you come out this way.

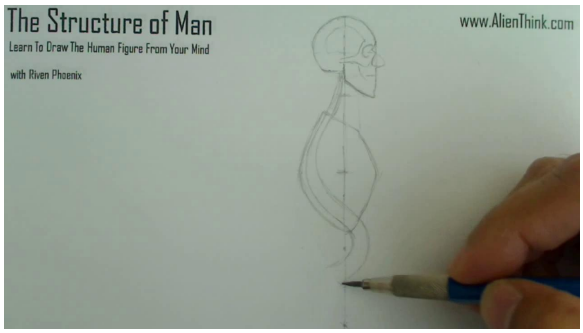
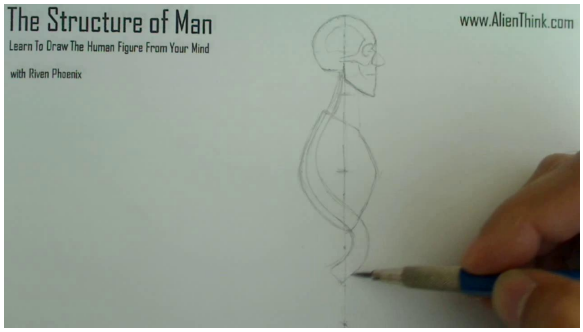
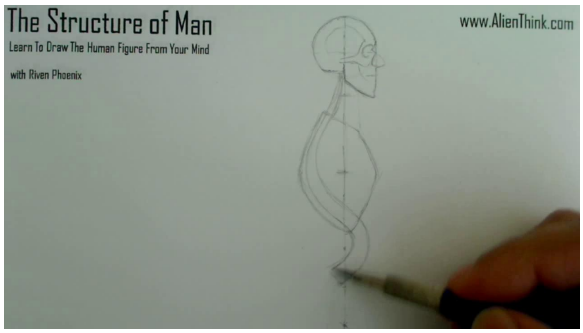
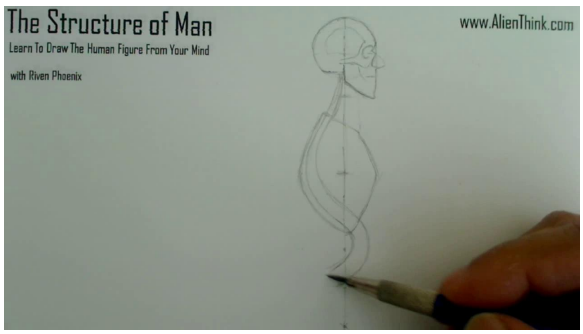
2026 Riven Phoenix and AlienThink.com

117		Now here's the thing.
118		So we knew that, okay, I know about this, that I just need to be halfway here, and I know
119		that it's here, so it's going to be here, basically, uh, this is the top area, right?
120		So for the other spine, uh, area over here, I'm going to start out small, I'm going to

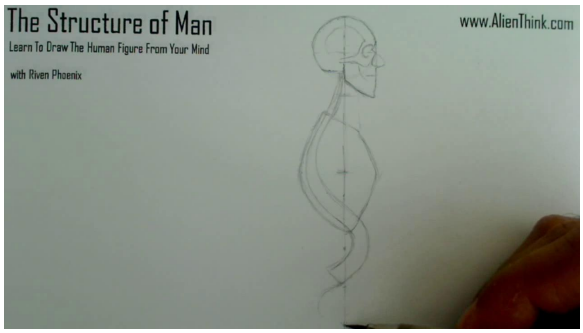
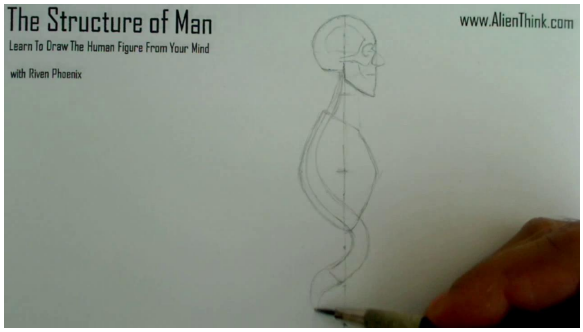
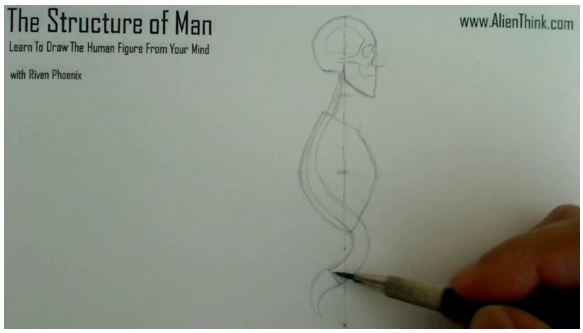
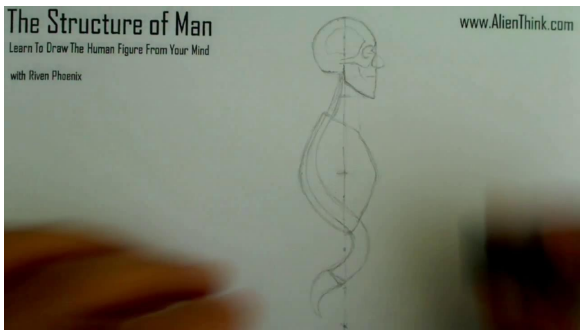
2026 Riven Phoenix and AlienThink.com

121		get bigger and bigger and bigger, like this, I'm just going to get what you're fatter
122		in this area, so it can be a strong figure, and this line is the one that we had stated
123		that it's going to go like this over here, pretty much, right?
124		And it's going to be just like this, right?

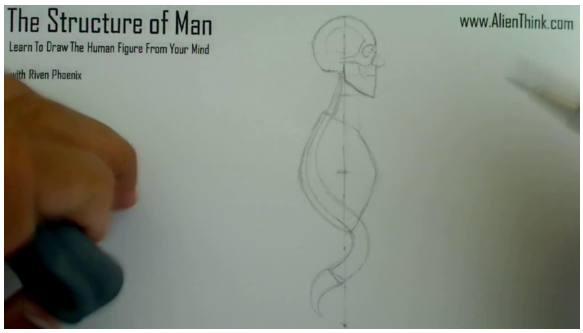
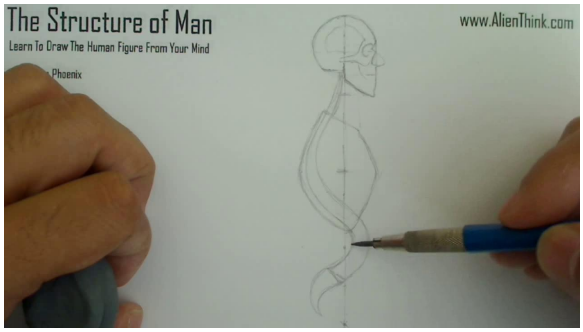
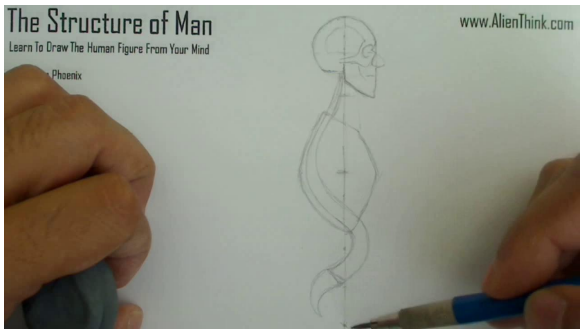
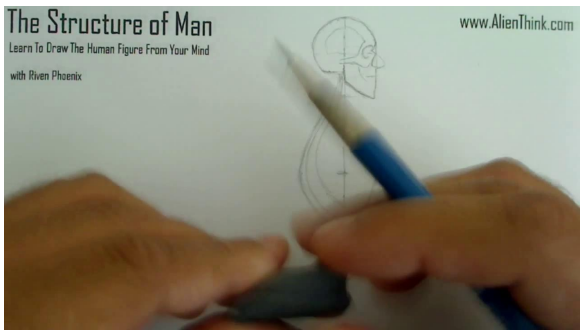
2026 Riven Phoenix and AlienThink.com

125		So those give you like a basic idea of it.
126		Now here, I'm just going to sketch it out like this, and this, of course, we know that,
127		right?
128		It's going to be, uh, uh, going in this direction, so here I'm just going to go like this,

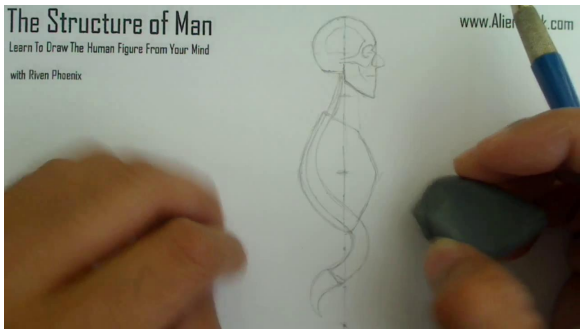
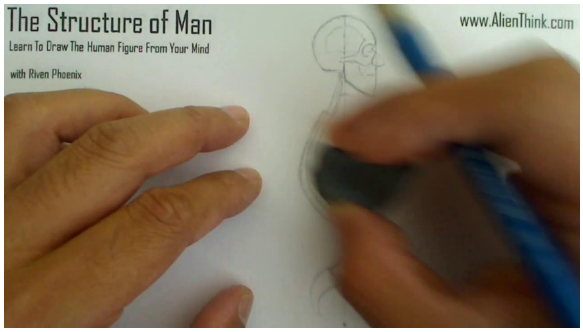
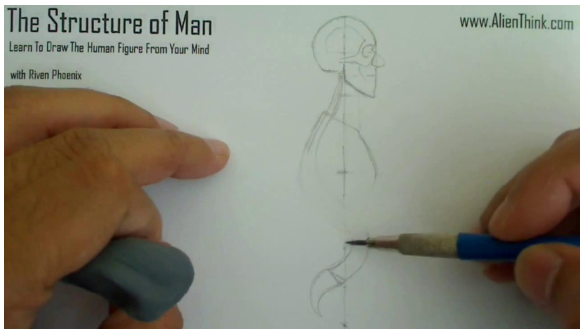
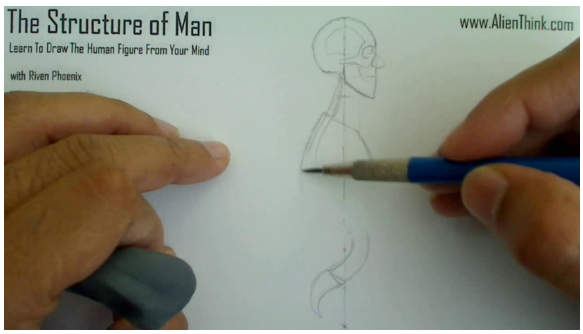
2026 Riven Phoenix and AlienThink.com

129		and I know that I'm just going to be above this a little bit, right?
130		So this is the area over here, it's just going to look like this, and I'm going to get
131		that little wedge, just like that, okay?
132		So now you'll see what happens, right?

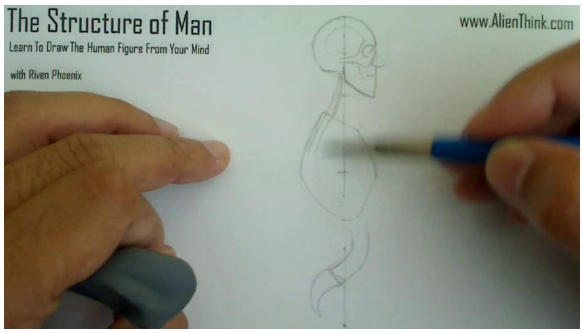
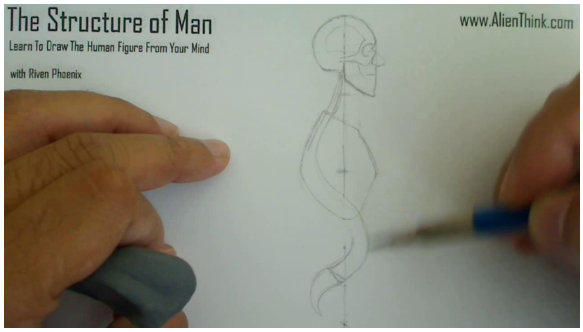
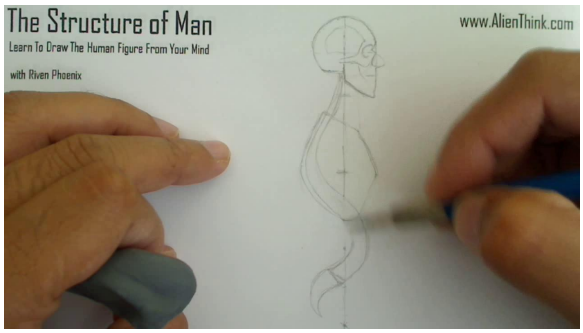
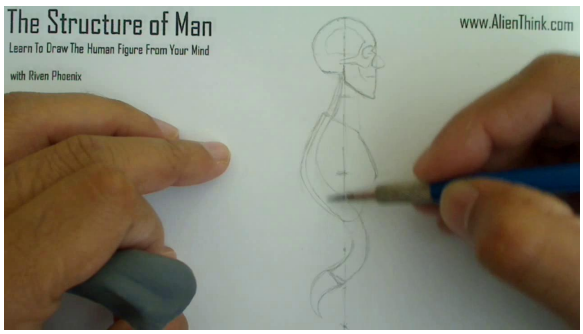
2026 Riven Phoenix and AlienThink.com

133		So if I elongate this, if I elongate it this, look how much of a curve the spine has
134		to be on, right?
135		Because the ratio is really cannot change, right?
136		So, uh, so here I'm just showing you that what happens in the, like how your characters

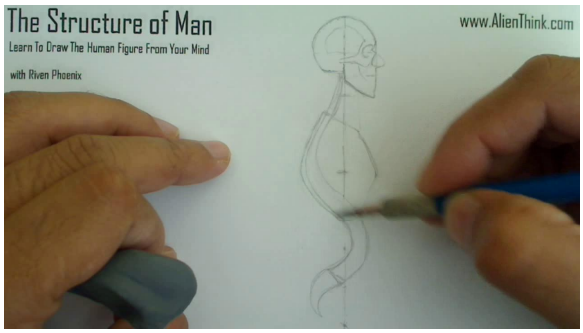
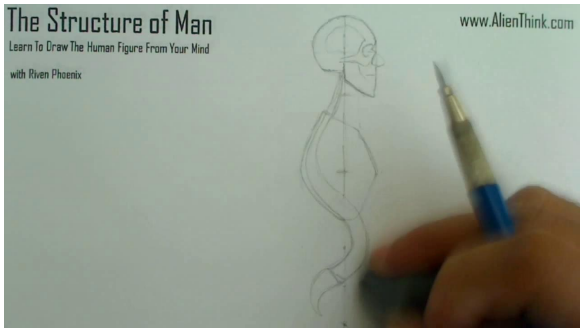
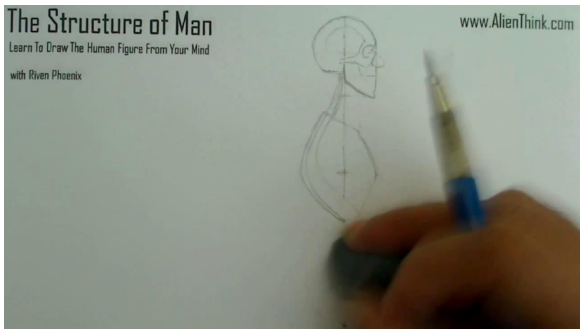
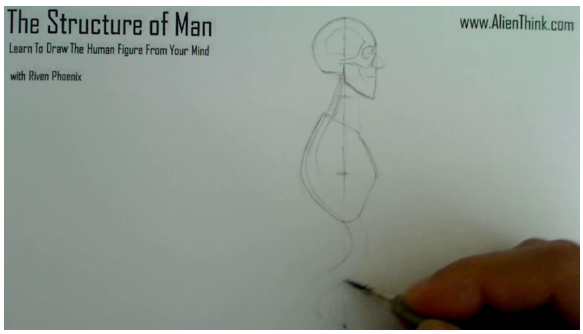
2026 Riven Phoenix and AlienThink.com

137		would be much more different, right?
138		So let's actually just see what the difference is if we just go back to the way we were, if,
139		uh, this was three, four, so over here, okay?
140		So here I'm just going to come down this way over here, and go this way, so now when

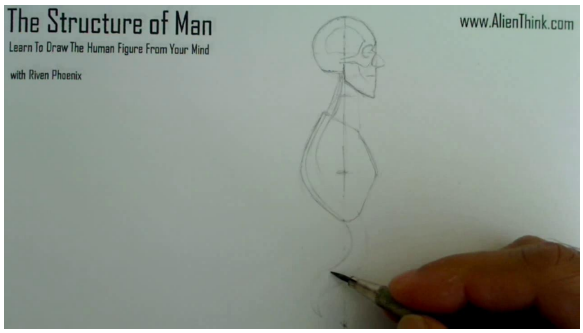
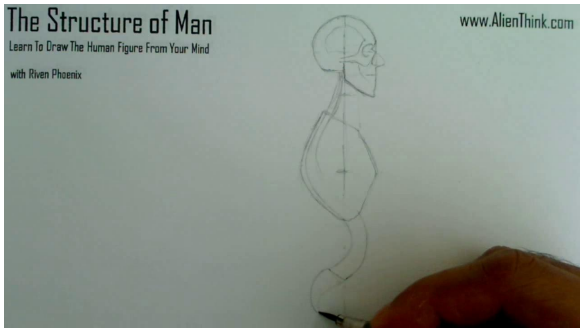
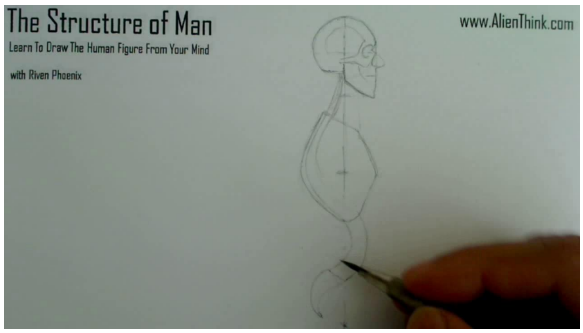
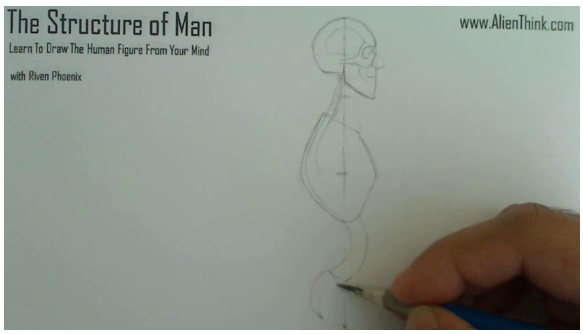
2026 Riven Phoenix and AlienThink.com

141		I draw this spine, it would have been just this way, right?
142		It would have been a much more nicer curve from here, and then it would be just like this
143		over here, right?
144		And just like this, and then it would be a much more nicer curve in this way, right?

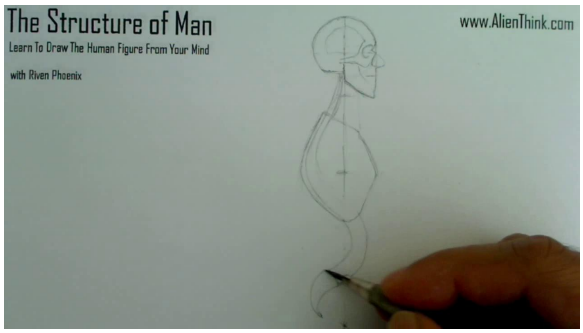
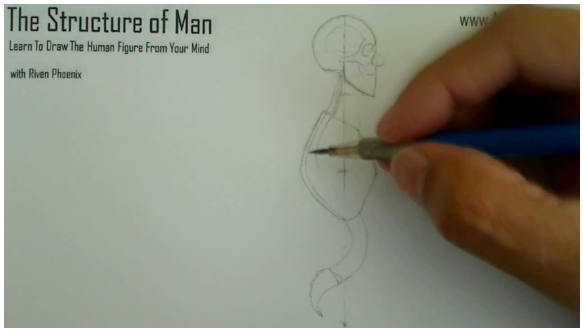
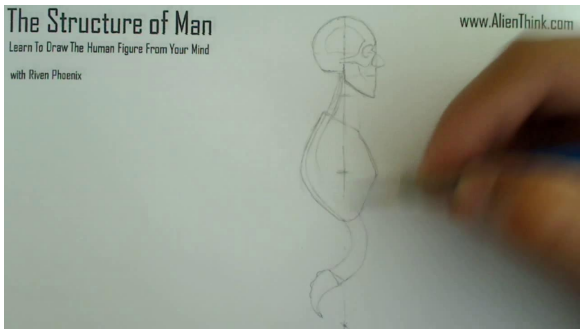
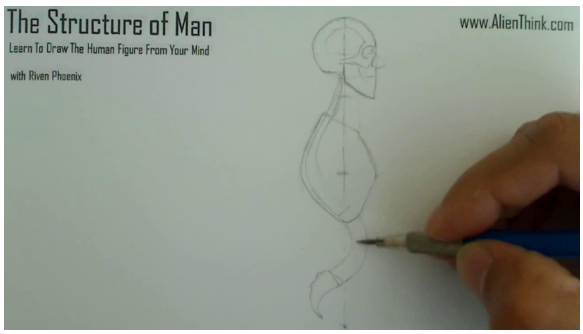
2026 Riven Phoenix and AlienThink.com

145		There's a big difference in how you can change these formulas around, so let's just keep
146		it this way, right?
147		Okay, so now I'm just going to make sure all of my lines are clean over here,
148		right?

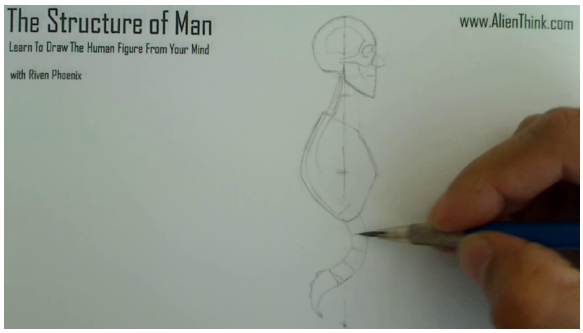
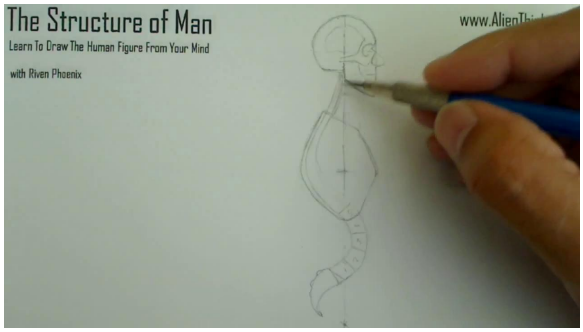
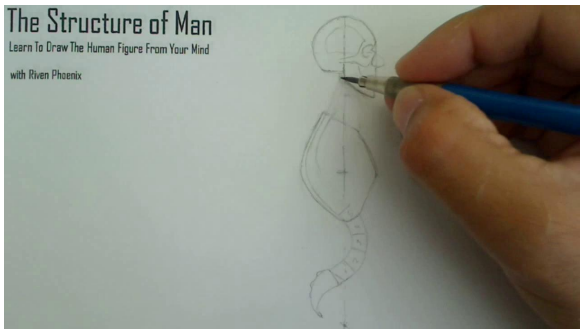
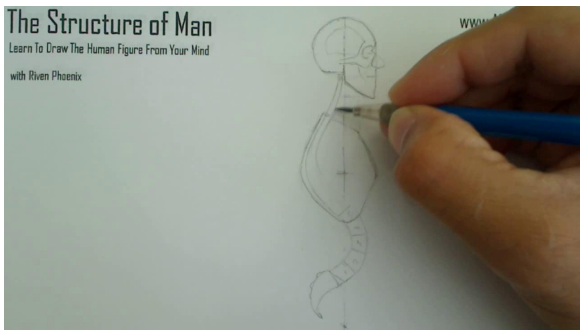
2026 Riven Phoenix and AlienThink.com

149		So this is going to be the sacrum over here, and then I'll just finish this off over here
150		like this, I'm going to draw, remember this is above this guy over here, it's a little
151		above, right?
152		You're going to get that piece of bone over here, and that's basically it, we don't need

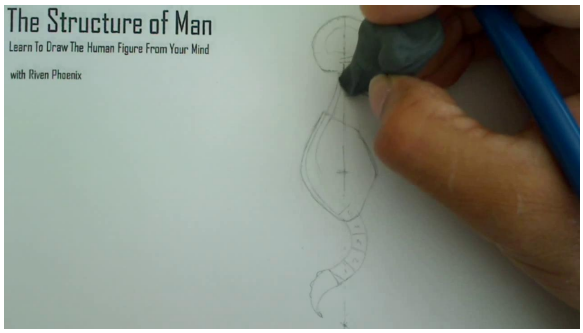
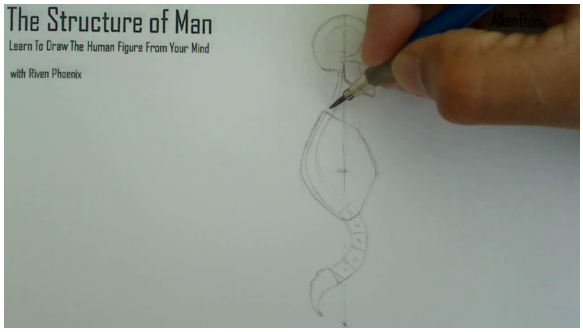
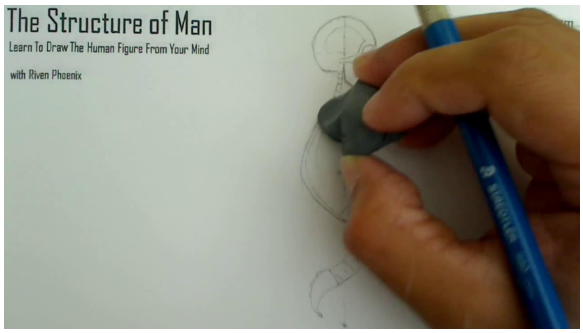
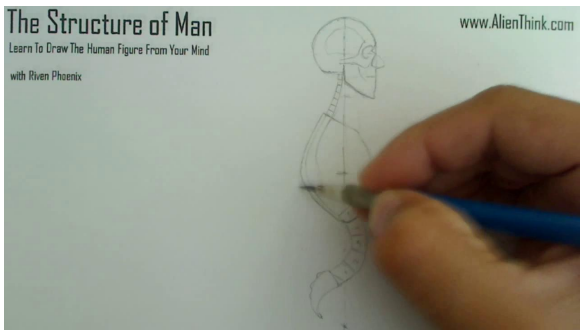
2026 Riven Phoenix and AlienThink.com

153		to go with that sort of this, one, two, and here, three, I'm just going to put three
154		of them, three bucks.
155		So here we know that, okay, this is going to be the fifth one over here, right, fifth,
156		we need to divide this in four parts, so here it's going to be one, two, three, one,

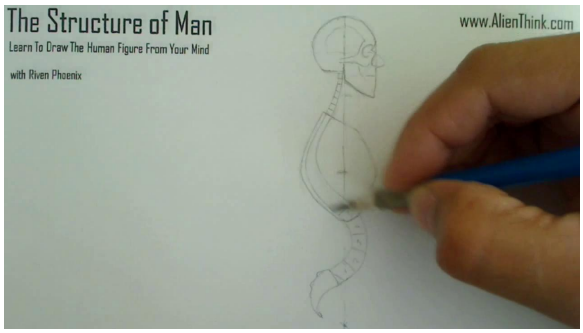
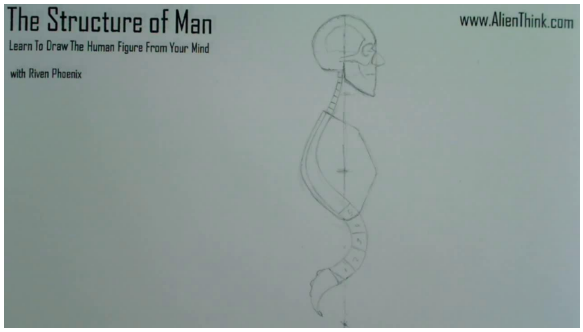
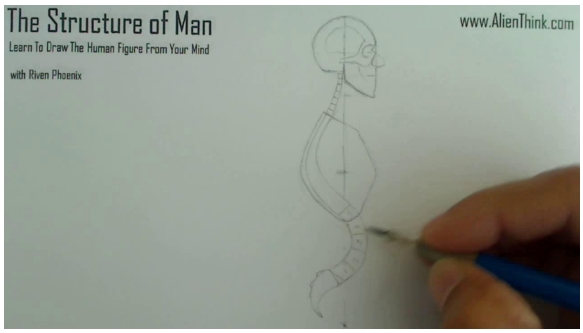
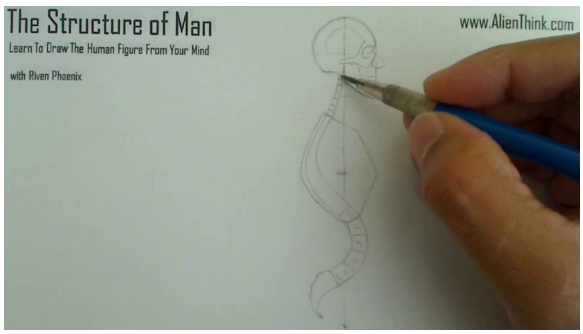
2026 Riven Phoenix and AlienThink.com

157		three, so this will be one, two, three, four, five, right?
158		We know that over here, in this area, for the spine, remember this area here has to be
159		on an angle, so it's just going to go like this, over here, and this is going to go like
160		this over here, this has to be divided in seven sections, so you're just going to clean

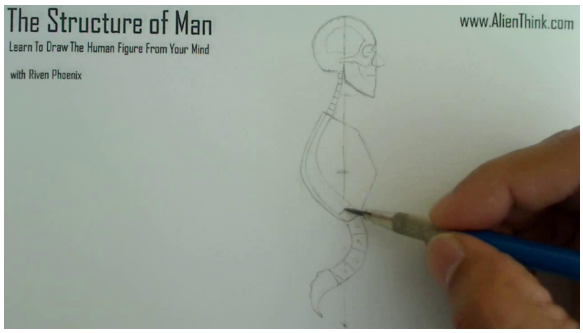
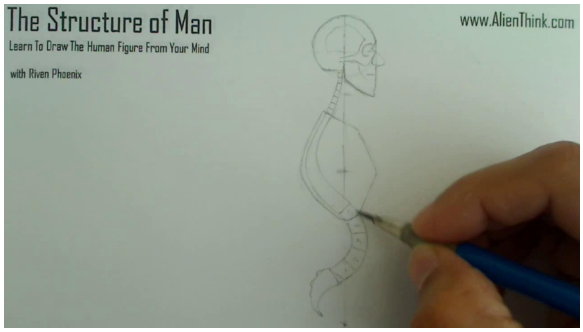
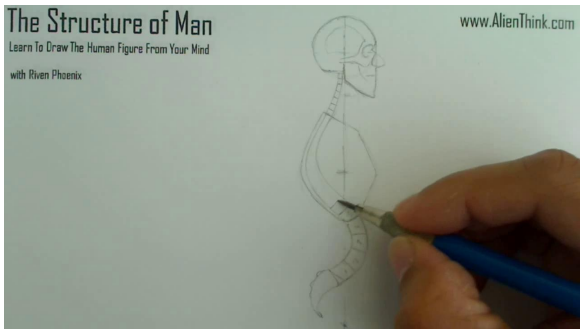
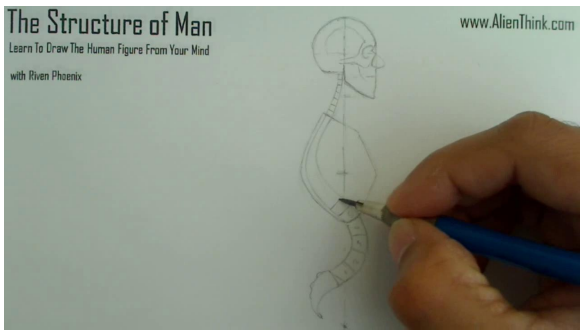
2026 Riven Phoenix and AlienThink.com

161		up these fuzzy areas here, and I just need to put six lines down over here, right?
162		It's going to be one, two, three, four, five, six, okay, and now here, I'm just going
163		to clean up some of these fuzzy areas, make sure that I'm doing a cleaner drawing over
164		here, right, so you can see that in this drawing style that I showed you, that we really don't

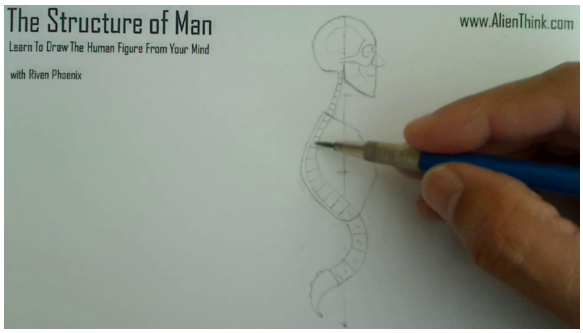
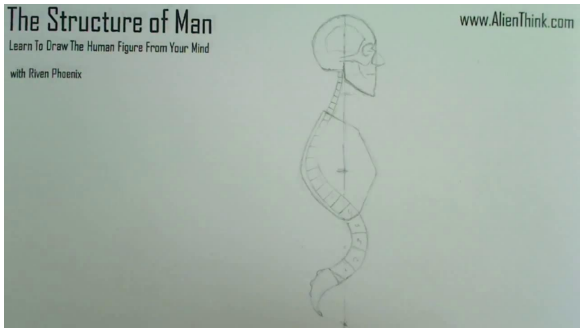
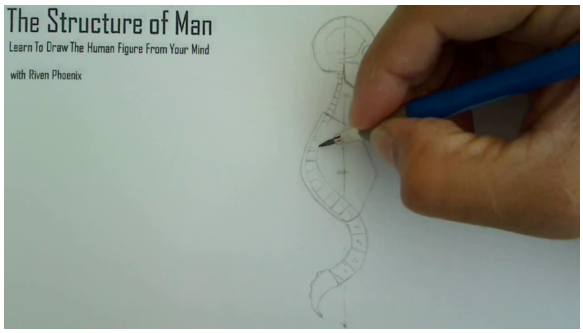
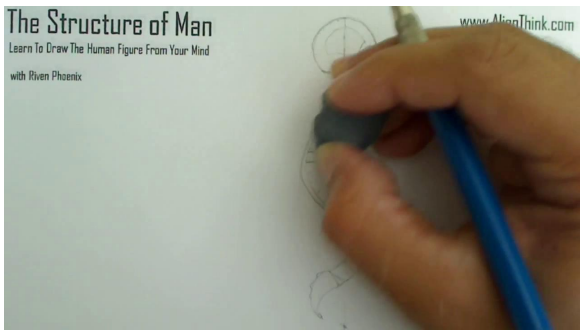
2026 Riven Phoenix and AlienThink.com

165		have to clean much, right, we just have to erase little fuzzy areas that we created, and
166		we're able to do much more successful drawings doing it this way, so here, I'm going to darken
167		up some of those stuff here so you can see on camera, okay, so this area here, all we see
168		is seven bones, and this is five, so what we need to do is now come up with the 12 bones

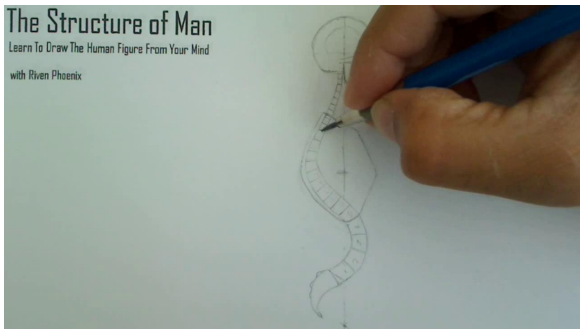
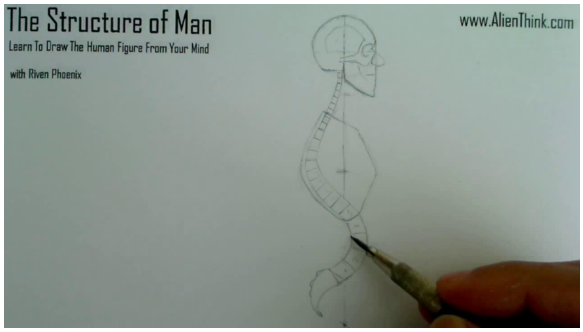
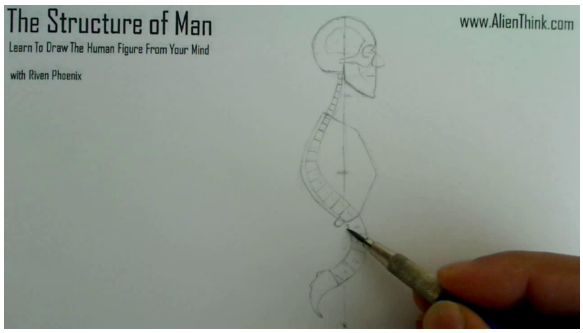
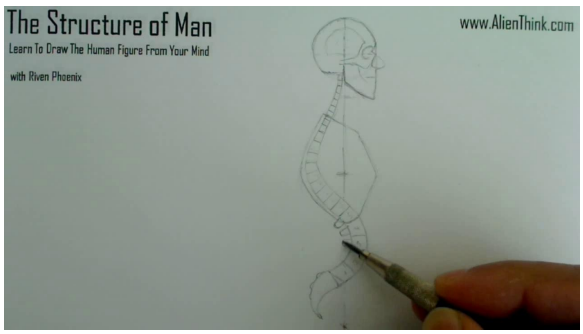
2026 Riven Phoenix and AlienThink.com

169		in here, and we know to do that, we just need to put 11 lines, okay, so here, let's do,
170		so basically the way to do this is since you know that this is going to be here, the other
171		one is just going to be like this, it's just going to get smaller, smaller, slowly, this
172		is 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, and then 11, okay, so this gives us 1, 2, 3, 4, 5, 6,

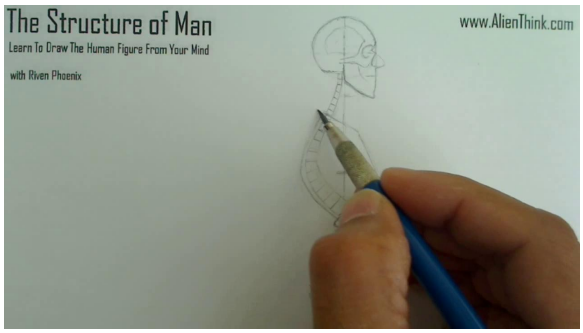
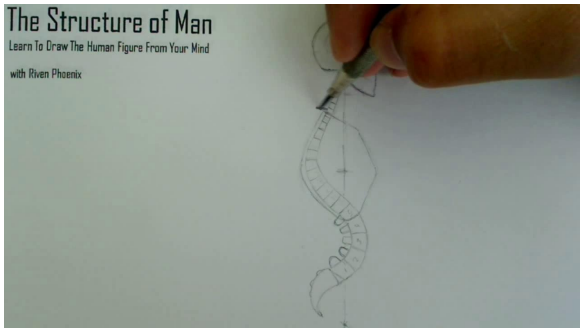
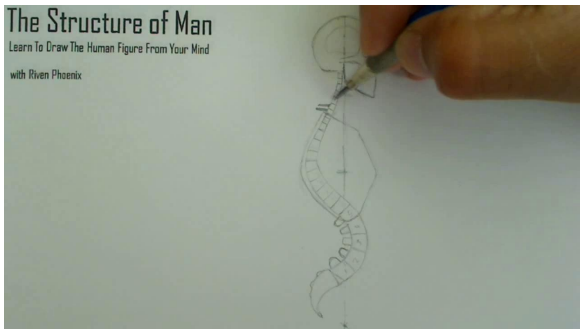
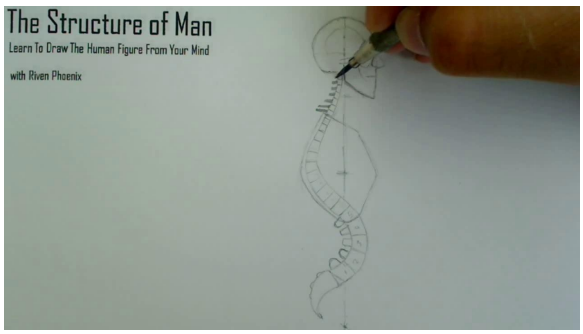
2026 Riven Phoenix and AlienThink.com

173		7, 8, 9, 10, 11, 12, okay, okay, so here I'm just going to adjust this a little bit,
174		okay, so here I'm going to do this one, I'm going to do a little bit adjustment, so I can
175		fit one more bone in there, there you go, okay, so now we have 12 bones, so here we're just
176		going to clean up this area, right, and then here we're just going to have got, all right, so that

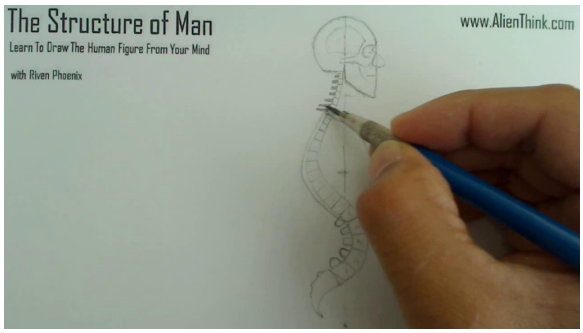
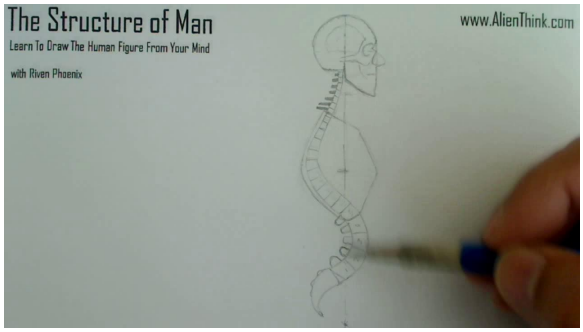
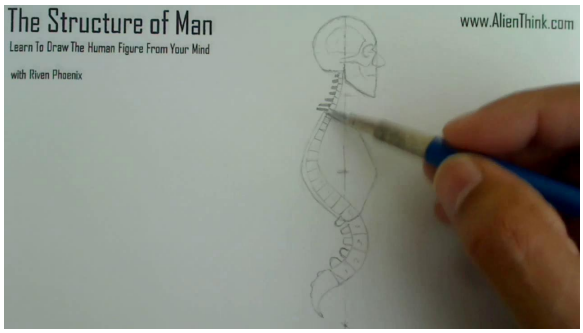
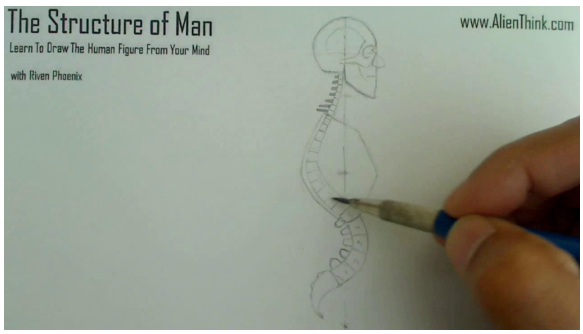
2026 Riven Phoenix and AlienThink.com

177		just gives me now 12 bones, okay, this one over here, okay, so now once we've done this, we know
178		that okay, from here, the fifth one, we're just going to do this thing that's going to come out like this,
179		this one is just going to come out like this, right, again, this is all conceptual, that's what matters
180		over here, we're going to get big pieces over here, over here we had stated that this is going to be

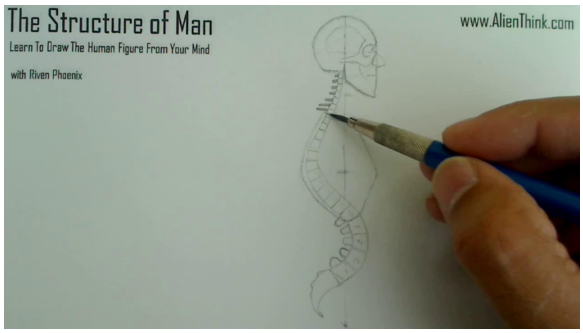
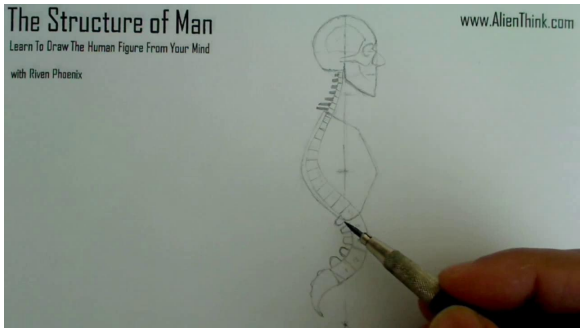
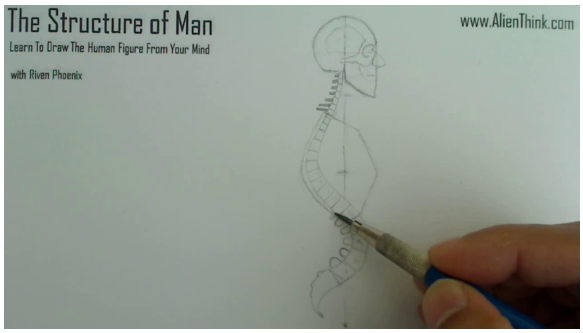
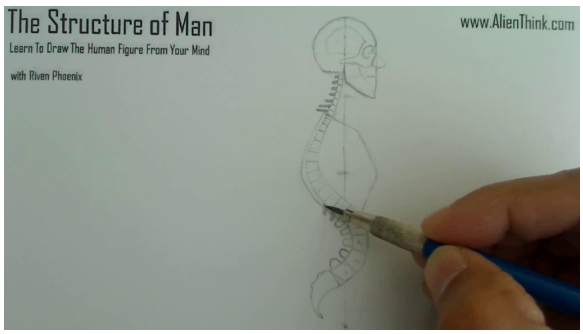
2026 Riven Phoenix and AlienThink.com

181		just coming out like this, so here you can just be conceptual about this, right, so here we can just
182		draw it out and just blacken it up that this is one, this is two, right, and then this goes like this,
183		and then here I'm just going to do three, and four, five, six, then here, seven,
184		okay, so now, okay, again, the style that I'm showing you in this whole lesson, right, is this

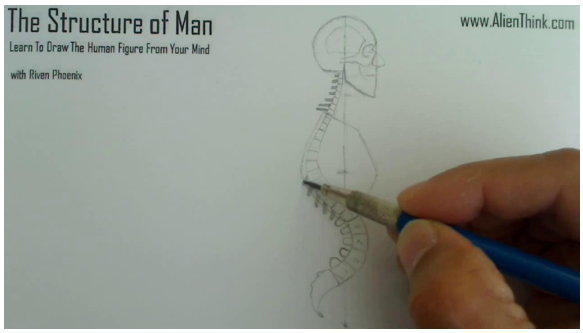
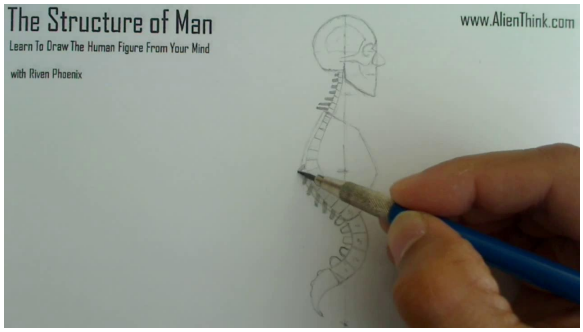
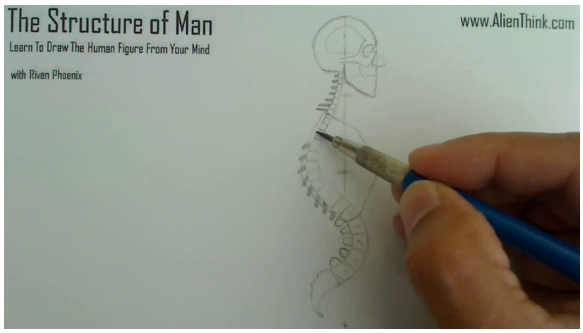
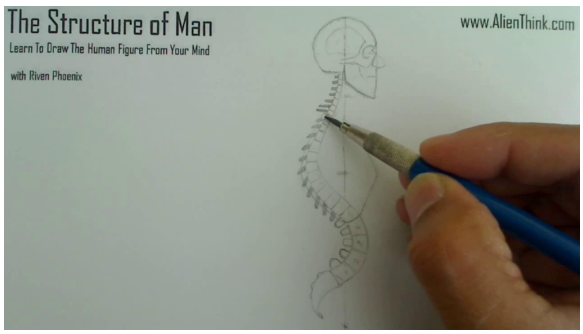
2026 Riven Phoenix and AlienThink.com

185		different style of drawing, where we're trying to be an accurate positive, this is why it's taking
186		much more longer to do the story, right, even here, even being off by a little bit here, we could
187		adjust it quickly, right, so there are less mistakes in that whole drawing process, right, because you have
188		to visually like measure this, right, so we were very close, but we were off by, just we didn't have

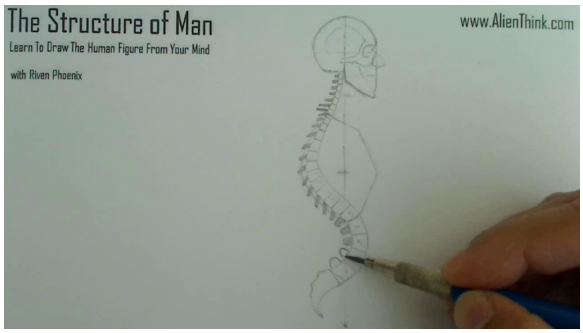
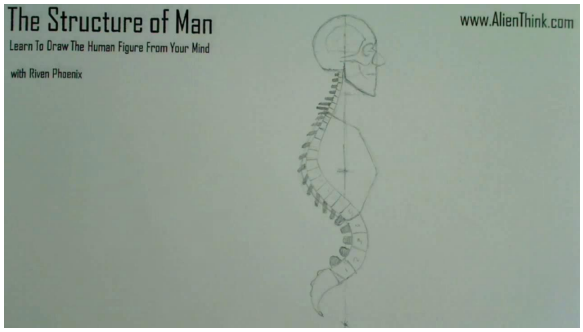
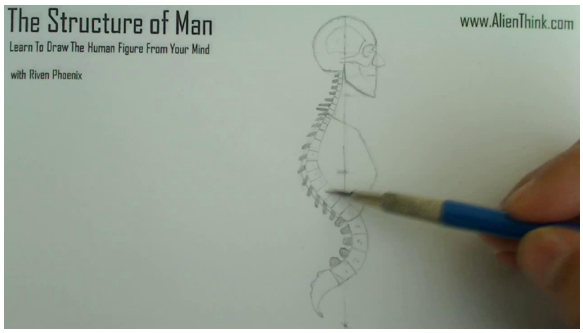
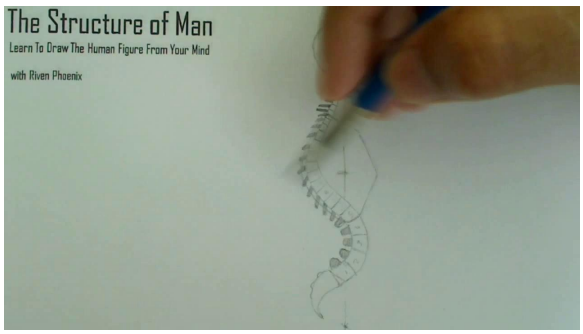
2026 Riven Phoenix and AlienThink.com

189		enough room for that month here, I just adjusted a little bit to make that room, okay, so the other thing
190		now is going to be that we just need to make the other bones here, so here I'm just going to be
191		like this, remember these go on an angle, right, we had talked about the spine before, like this,
192		they're going to come out, if this chance can be a little bit here, right, not too much,

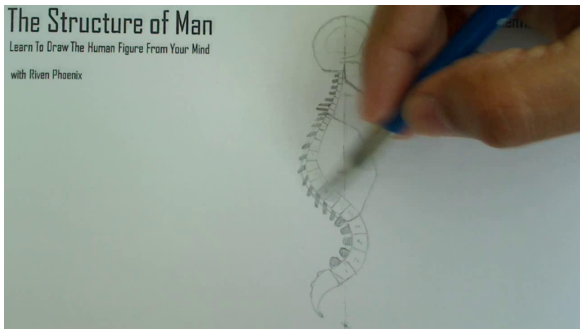
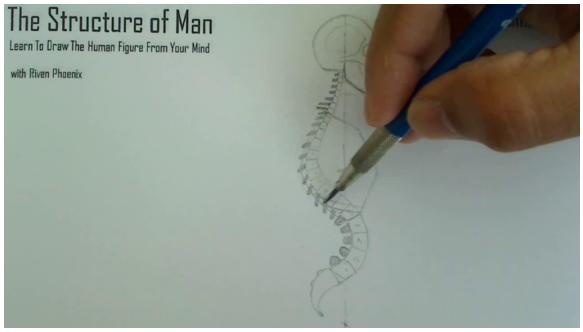
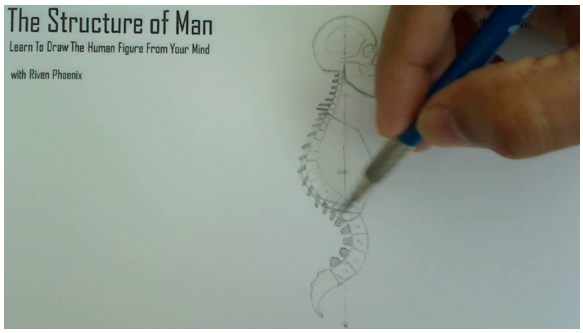
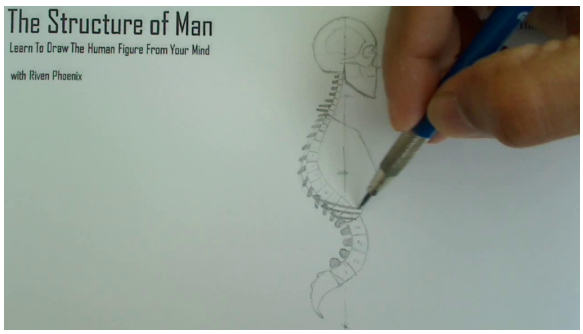
2026 Riven Phoenix and AlienThink.com

193		or because when the muscles go we know that these are on some, it's optional, although if you want
194		to show it, you can show it, these bones as a bumps on the back,
195		I'm here, I'm just going to finish this off like this,
196		and here's my last one, okay, so and here we'll just color this in two,

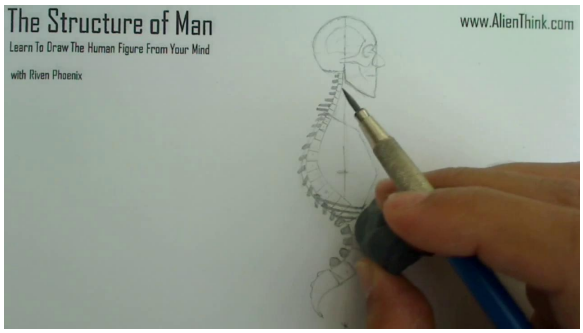
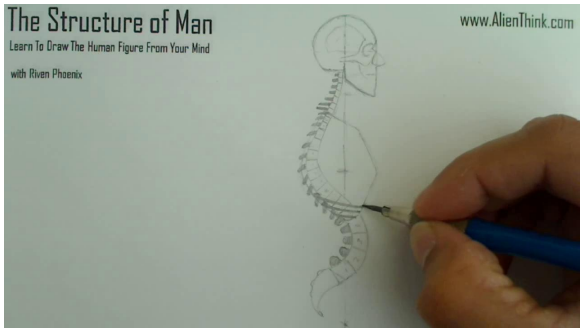
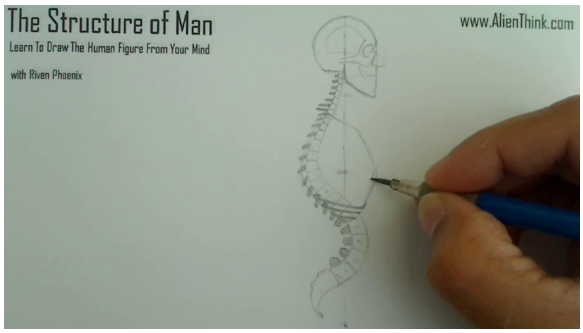
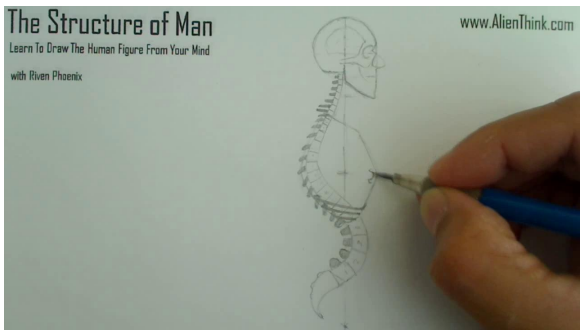
2026 Riven Phoenix and AlienThink.com

197		okay, so the last thing is we just need to now do the chest have it, and that's going to be very simple,
198		right, so we know that if we come from here, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, right, it's this 10th one that's
199		going to get the bone, and these two are going to be the ones that are going to be hanging off,
200		so the way to do this is just start from here, and do the 10th one going down, at least in,

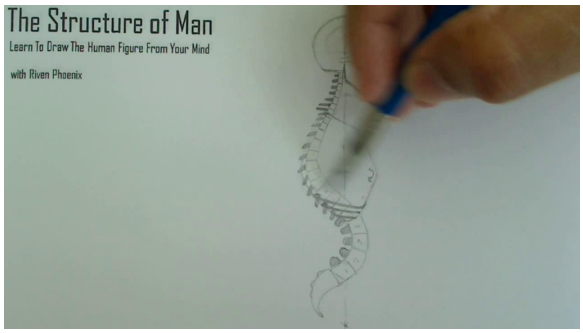
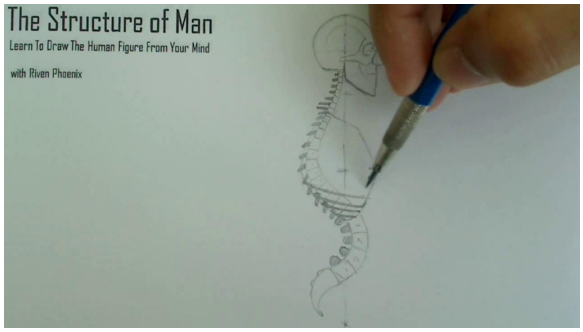
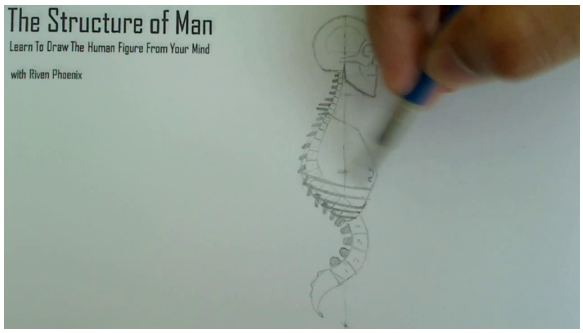
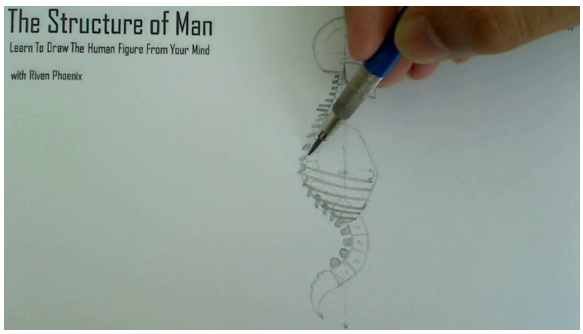
2026 Riven Phoenix and AlienThink.com

201		in this angle, over here, and just add two bones, it's not like you have to join the, the thing
202		get right because you can see that over here it's going to soothe, it's going to come down, it's going
203		to soothe, it's just going to come down this way, right, and then in the 10th I can do the same thing,
204		over here, so and this is the 10th bone is the one that kinets, so really if you wanted to raise

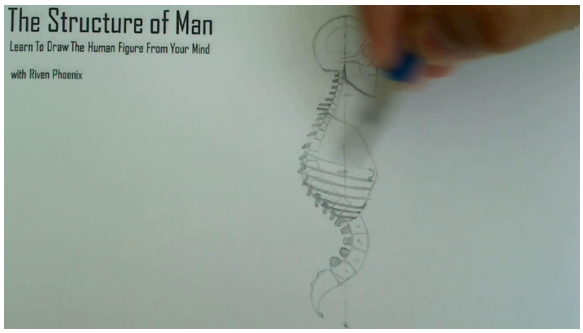
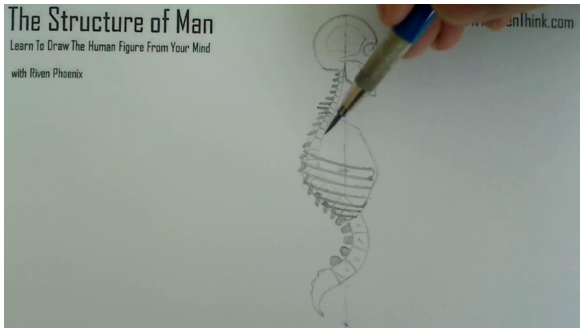
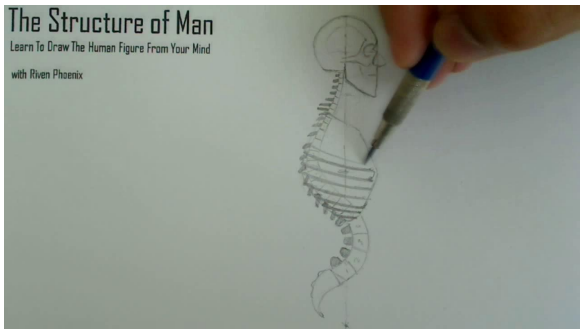
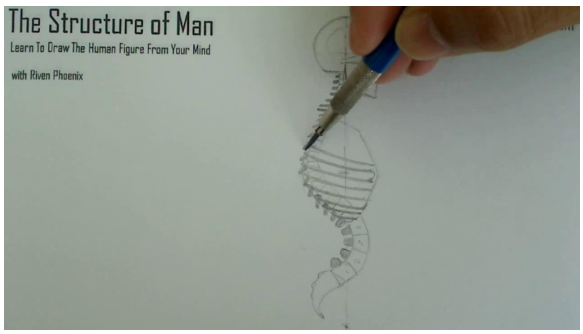
2026 Riven Phoenix and AlienThink.com

205		these lines, not a big deal, but these two bones are just going to be hanging, but this is the one
206		that kinets, right, it's going to connect over here and then we said, okay, once we have this
207		conceptual concept, you just need to make an idea here that this bone is going to be here, this
208		bone is going to be here, so you really just have to fit two over here, right, so here I'm just

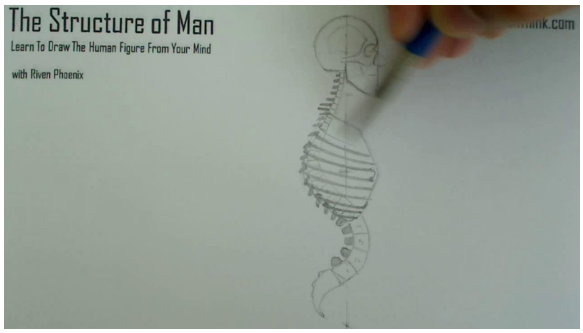
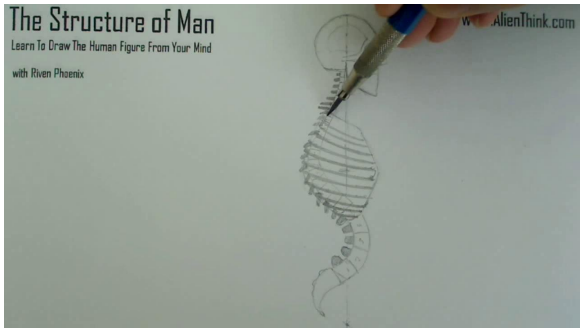
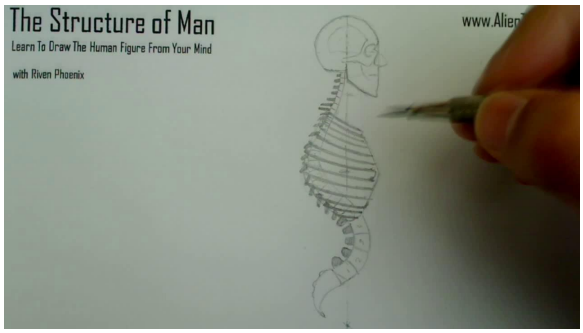
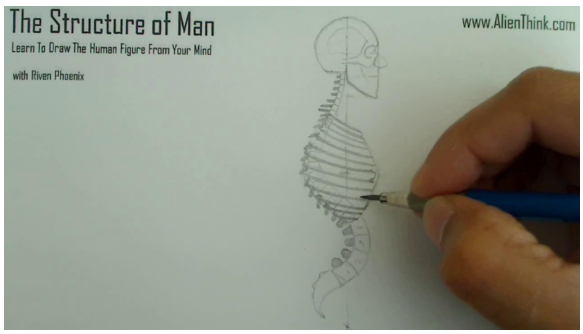
2026 Riven Phoenix and AlienThink.com

209		going to fit this one over here, just put a few lines down, make sure I understand it first,
210		then do the other one,
211		right, and then do this one over here,
212		and then this one over here,

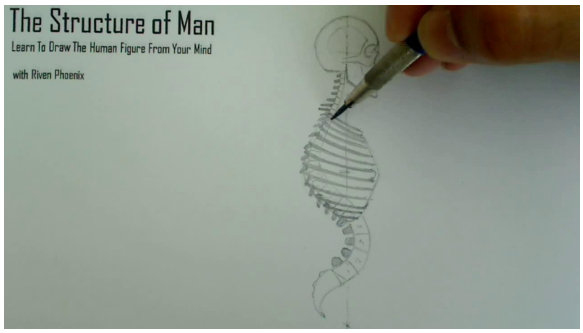
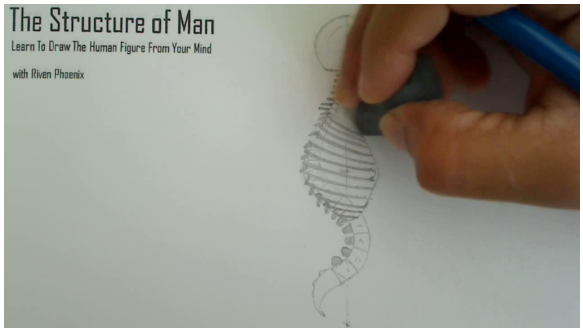
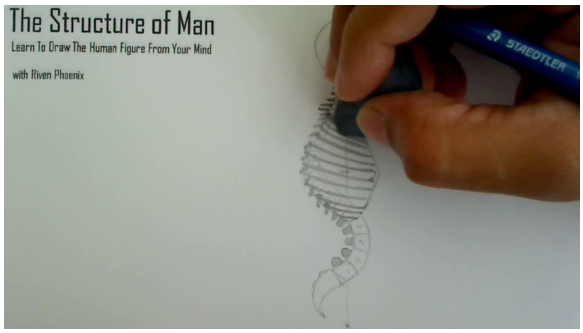
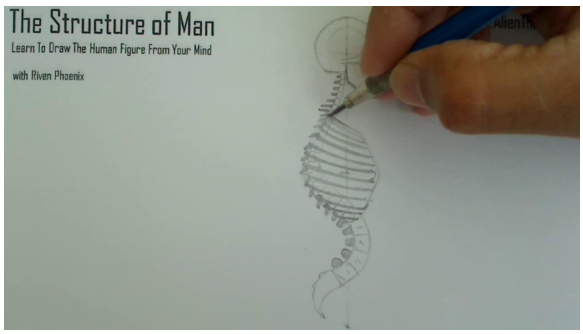
2026 Riven Phoenix and AlienThink.com

213		right, so this is 10, 9, 8, 7, 6, 5, 4, 3, 2, 1,
214		so we need to add six more, right, so it's going to be this,
215		one,
216		remember it's swooping, two,

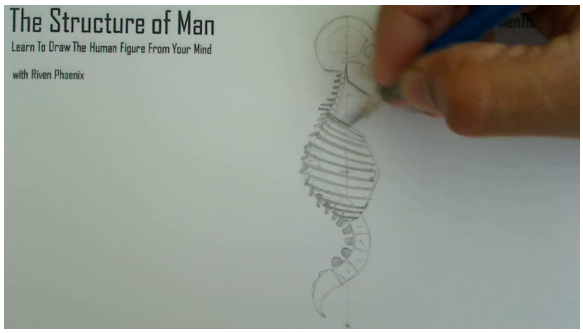
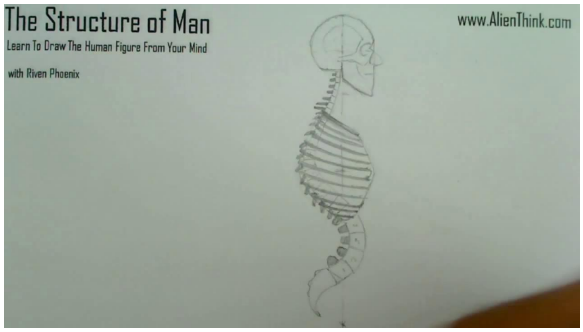
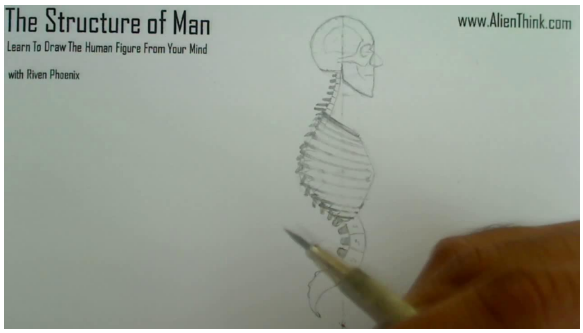
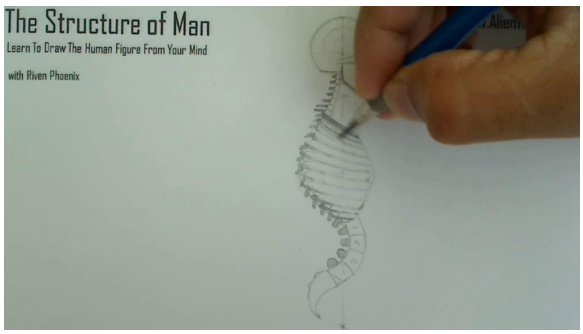
2026 Riven Phoenix and AlienThink.com

217		three, four,
218		five in the top one, it's the sixth one,
219		you'll have one, two, three, four, five, six, seven, eight,
220		nine, ten, twelve, okay,

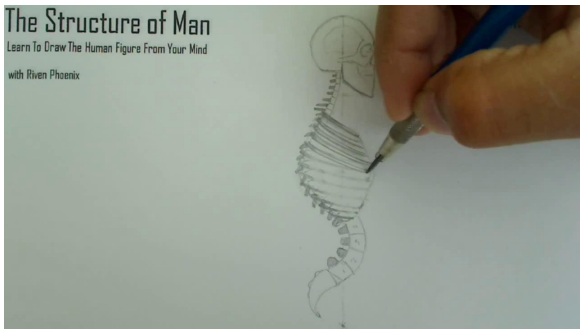
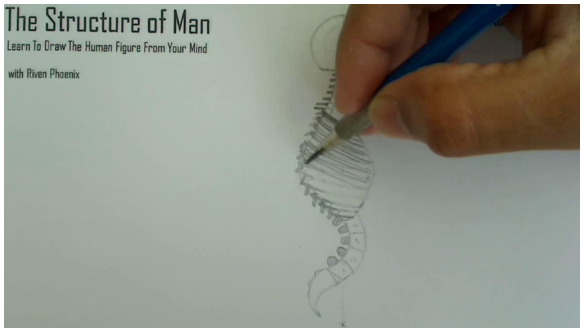
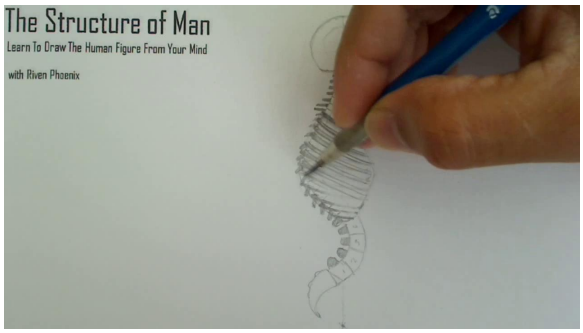
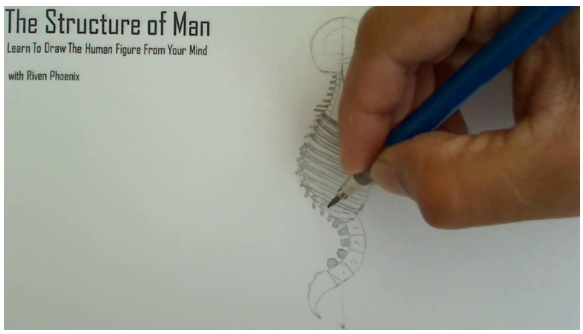
2026 Riven Phoenix and AlienThink.com

221		one, okay, then here I'm just going to adjust this a little bit here,
222		so I can bring it down just a tad bit over here, right, so this
223		area here is now going to be my tenth bone, I'm sorry if I told bones, so here it's just going
224		to be like this, so here now you can,

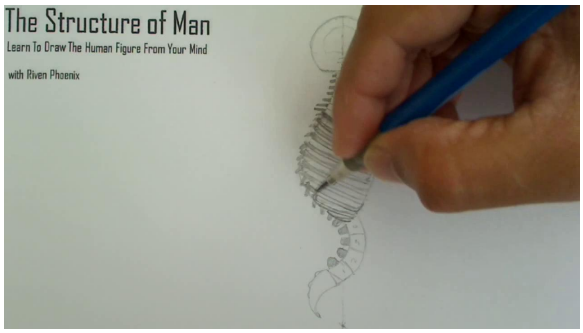
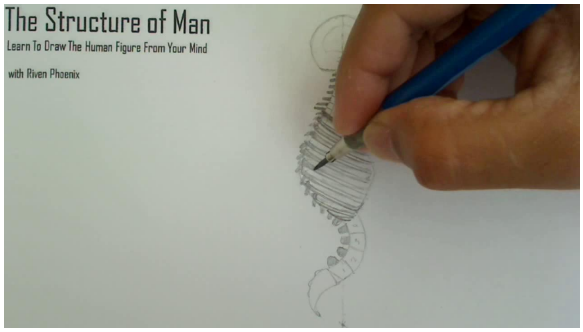
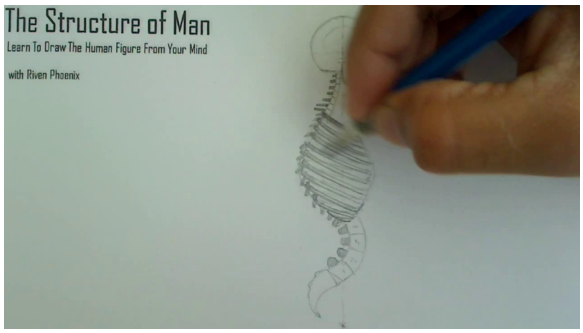
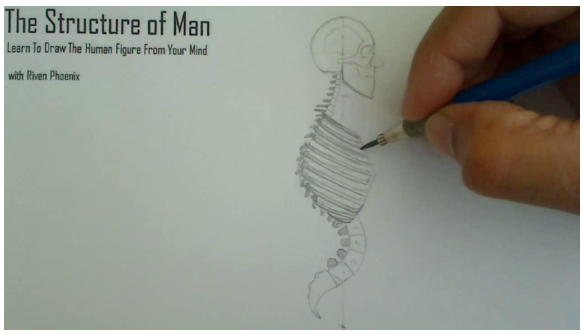
2026 Riven Phoenix and AlienThink.com

225		and choose to make this even realistic like this, right, so here, once I get,
226		see once we have this lines, so we can now erase this, all these lines here, concept of it,
227		and now start to make them a little more 3D, if you want it to, right, so here,
228		we'll shade this in like this,

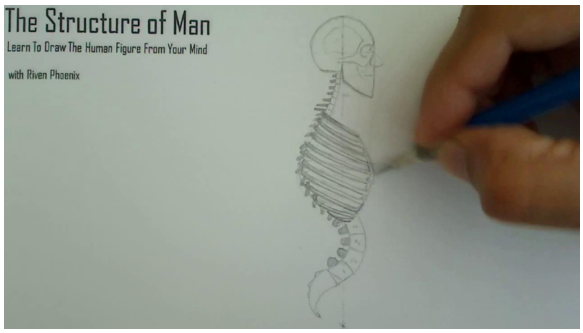
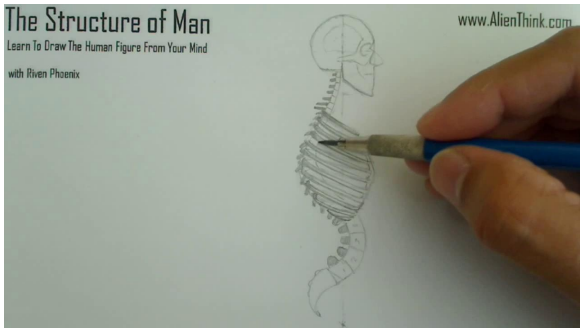
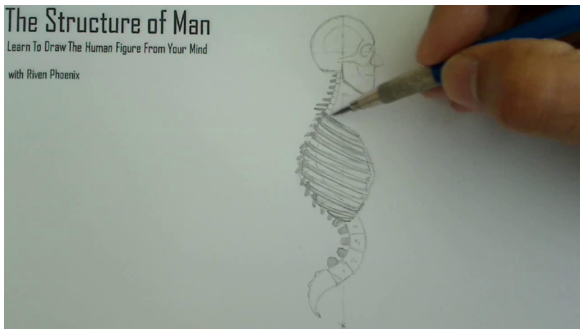
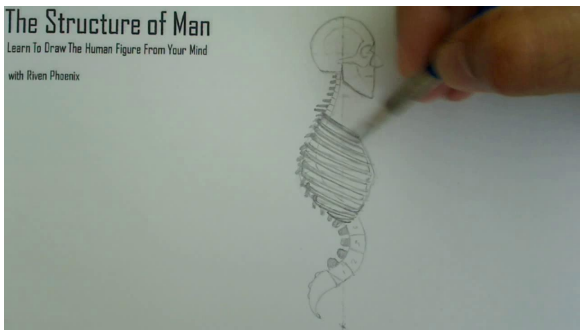
2026 Riven Phoenix and AlienThink.com

229		so you'll see I'm just suggesting that idea is a little bit, giving it a little more curve,
230		and putting it a little more in the angle,
231		okay, so here I'm just going to erase these for the last remaining lines, and just finish this off,
232		and the last one over here, right, so from this, you'll see that we went a little long on this

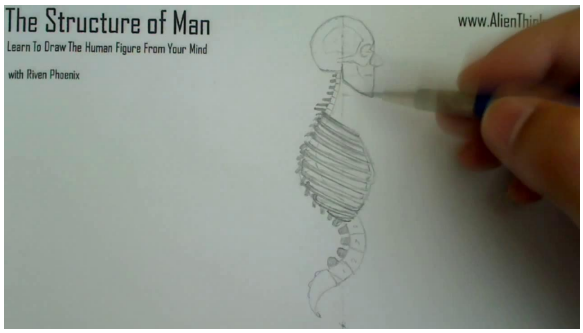
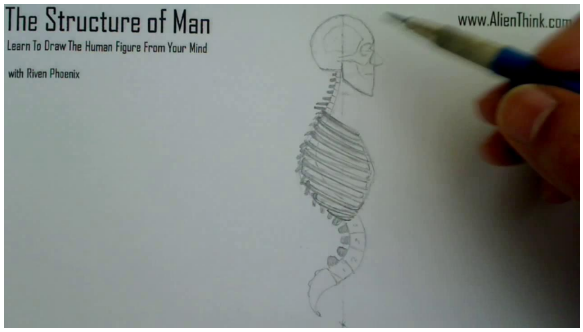
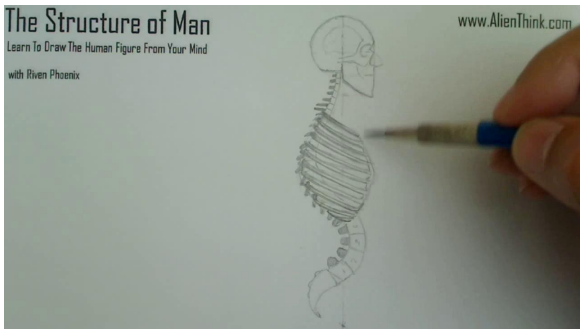
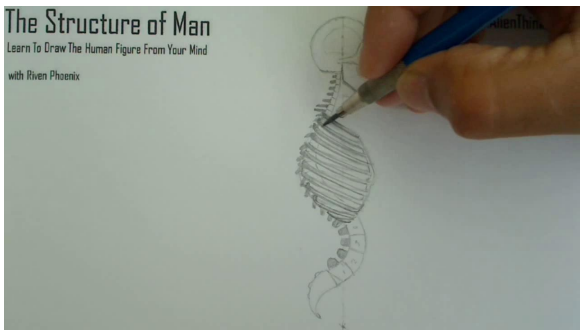
2026 Riven Phoenix and AlienThink.com

233		lesson, but here it's important to see the processes of drawing, even from a different,
234		from another artist's point of view, as to all the different things that we can do, right,
235		how we can adjust things, we, in this process, we tried to keep everything as accurate as possible,
236		but you'd saw clearly that when you're drawing it out, you just got to be aware that you're

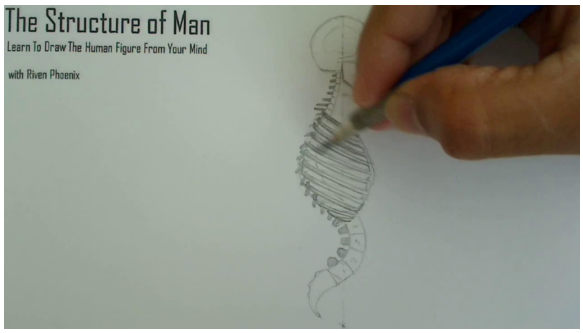
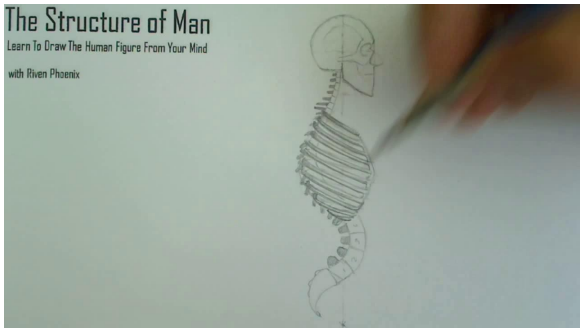
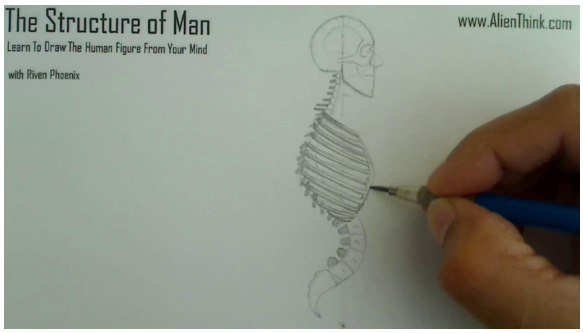
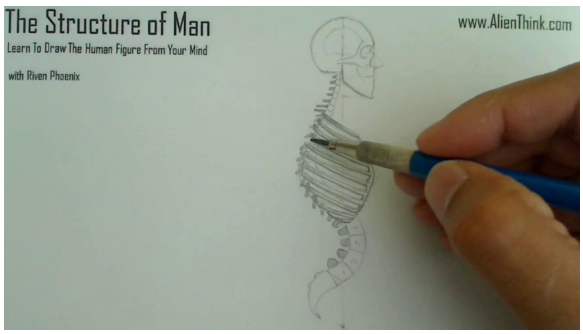
2026 Riven Phoenix and AlienThink.com

237		going to have to make adjustments, right, so when we got into the area for this area over here,
238		we had to adjust the bone structure, and then when we got into the ribcage, we basically just
239		adjusted just a little bit to go down, so give us the right matching number, right, so you have
240		to fiddle with it, right, so if we had sketched it out, it would have been much more easier,

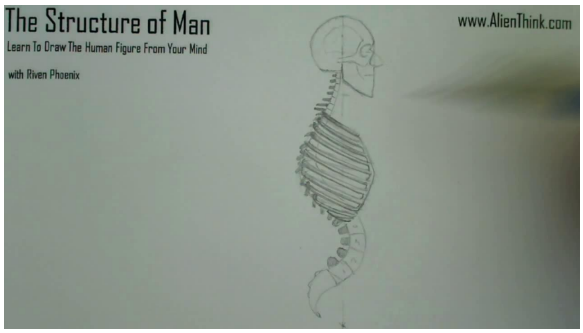
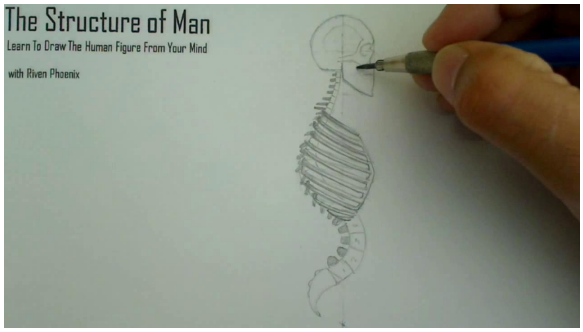
2026 Riven Phoenix and AlienThink.com

241		we could have just laid everything out, come back with the eraser, and get it over with,
242		but here when we were trying to do everything as accurate as possible, this area, and this area here
243		has to be adjusted, right, and then over here, so basically what I've done here is that in this
244		bone structure, I'm just making this, like, shaded in the bottom of the, of the each rib here,

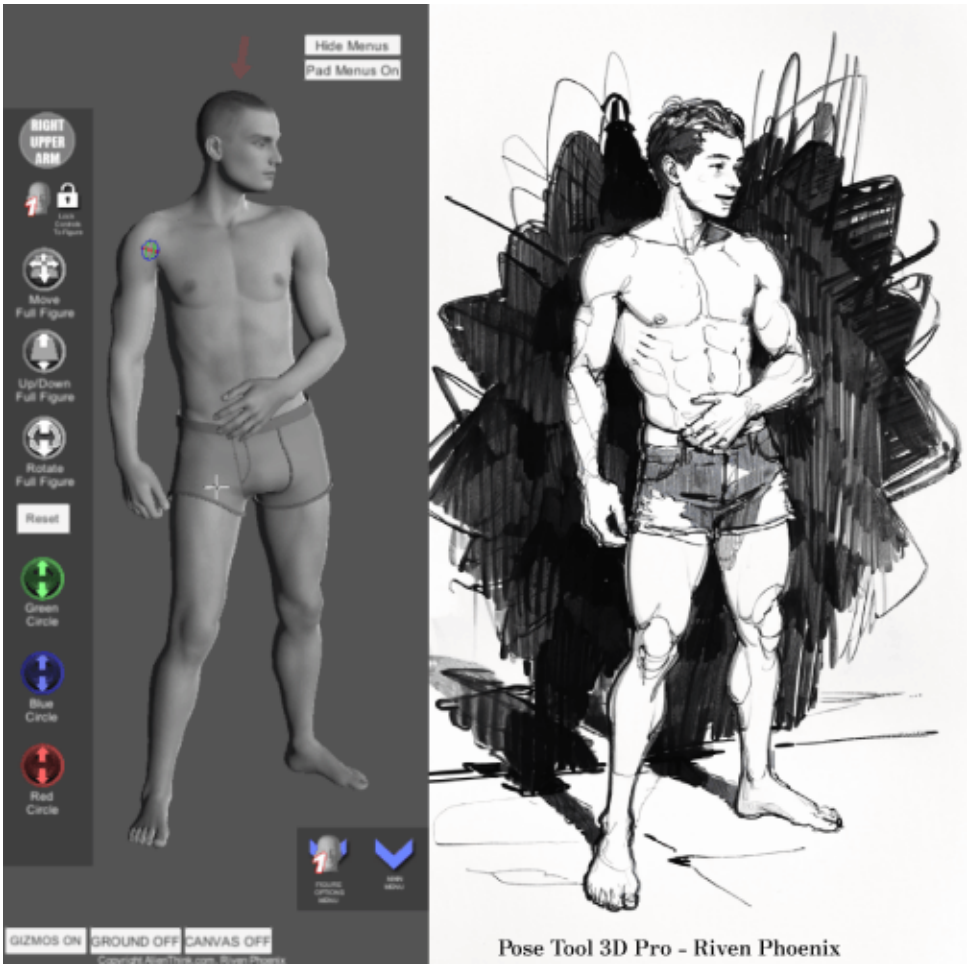
2026 Riven Phoenix and AlienThink.com

245		so trying to make it as, trying to like make kind of like 3D over here, right, so it doesn't have
246		to be that perfect in the design of the ribcage, because it can be organic and just know that this
247		area here is going to be now all connected, just like this, right, so we've proved the concept that
248		we've been looking at how we can take that information and start to make this much more realistic

2026 Riven Phoenix and AlienThink.com

249		working, right, so this ribcage we kind of like try to do it in 3D, right, okay, so I'll see you in the
250		next lesson, thanks.

2026 Riven Phoenix and AlienThink.com



www.alienthink.com/pose-tool-3d/

2026 Riven Phoenix and AlienThink.com